

## DIAGNOSI GUASTI

## Modulo master M1 (Figura 19)

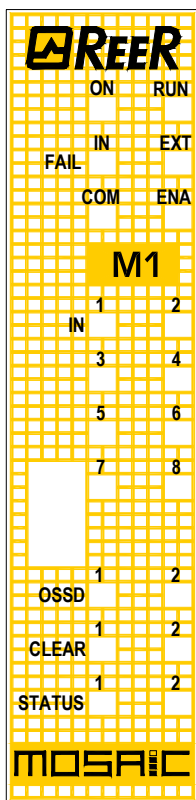
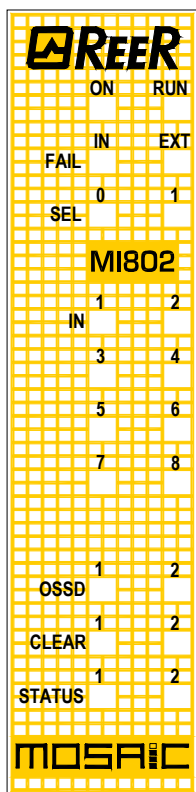


Figura 19 - M1

SIGNIFICATO	LED									RIMEDIO
	RUN VERDE	IN FAIL ROSSO	EXT FAIL ROSSO	COM ARANCIONE	IN1÷8 GIALLO	ENA BLU	OSSD1/2 ROSSO/VERDE	CLEAR1/2 GIALLO	STATUS1/2 GIALLO	
Guasto interno	OFF	2 O 3 lampeggi	OFF	OFF	OFF	OFF	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
Errore di configurazione	OFF	5 lampeggi	OFF	OFF	5 lampeggi	OFF	5 lampeggi	5 lampeggi	5 lampeggi	<ul style="list-style-type: none"> <li>Caricare nuovamente il progetto in MOSAIC</li> <li>Se persiste, spedire M1 a REER per riparazione</li> </ul>
Errore uscite OSSD	OFF	4 lampeggi	OFF	OFF	OFF	OFF	4 lampeggi (solo il LED corrispondente all'uscita in fail)	OFF	OFF	<ul style="list-style-type: none"> <li>Verificare collegamenti OSSD1/2</li> <li>Se persiste, spedire M1 a REER per riparazione</li> </ul>
Errore comunicazione con slave	OFF	5 lampeggi	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Se persiste, spedire M1 a REER per riparazione</li> </ul>
Errore modulo slave	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Verificare quale modulo è in FAIL</li> </ul>
Errore MCM	OFF	6 lampeggi	OFF	6 lampeggi	OFF	OFF	OFF	OFF	OFF	Sostituire MCM

Tabella 30 - Diagnostica M1

Modulo MI802 (Figura 20)

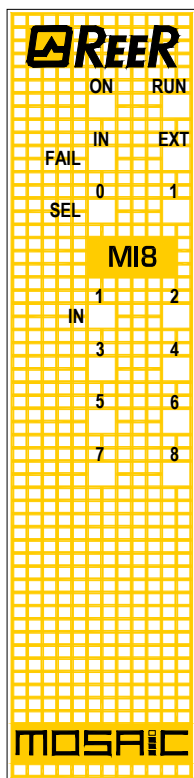


SIGNIFICATO	LED								RIMEDIO
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷8	OSSD1/2	CLEAR1/2	STATUS1/2	
	VERDE	ROSSO	ROSSO	ARANCIONE	GIALLO	ROSSO/VERDE	GIALLO	GIALLO	
Guasto interno	OFF	2 O 3 lampeggi	OFF	riporta l'indirizzo fisico del modulo	OFF	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
Errore di compatibilità	OFF	5 lampeggi	OFF		5 lampeggi	5 lampeggi	5 lampeggi	5 lampeggi	<ul style="list-style-type: none"> <li>• Versione firmware non compatibile con M1, spedire a REER per aggiornamento FW.</li> </ul>
Errore uscite OSSD	OFF	4 lampeggi	OFF		OFF	4 lampeggi (solo il LED corrispondente all'uscita in fail)	OFF	OFF	<ul style="list-style-type: none"> <li>• Verificare collegamenti OSSD1/2</li> <li>• Se persiste, spedire MI802 a REER per riparazione</li> </ul>
Errore comunicazione con master	OFF	5 lampeggi	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>• Fare ripartire il sistema</li> <li>• Se persiste, spedire MI802 a REER per riparazione</li> </ul>
Errore su altro slave o su M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>• Fare ripartire il sistema</li> <li>• Verificare quale modulo è in FAIL</li> </ul>
Rilevato altro slave dello stesso tipo con indirizzo uguale	OFF	5 lampeggi	5 lampeggi		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>• Modificare indirizzo modulo (vedere paragrafo <b>NODE SEL</b>)</li> </ul>

Tabella 31 - Diagnostica MI802

Figura 20 - MI802

## Modulo MI8 (Figura 21)

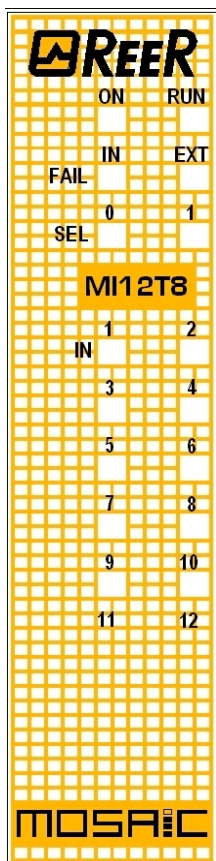


SIGNIFICATO	LED								RIMEDIO
	RUN VERDE	IN FAIL ROSSO	EXT FAIL ROSSO	SEL ARANCIONE	IN1÷8 GIALLO	OSSD1/2 ROSSO/VERDE	CLEAR1/2 GIALLO	STATUS1/2 GIALLO	
Guasto interno	OFF	2 O 3 lampeggi	OFF	riporta l'indirizzo fisico del modulo	OFF	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
Errore di compatibilità	OFF	5 lampeggi	OFF		5 lampeggi	5 lampeggi	5 lampeggi	5 lampeggi	• Versione firmware non compatibile con M1, spedire a REER per aggiornamento FW.
Errore comunicazione con master	OFF	5 lampeggi	OFF		OFF	OFF	OFF	OFF	• Fare ripartire il sistema • Se persiste, spedire MI8 a REER per riparazione
Errore su altro slave o su M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	• Fare ripartire il sistema • Verificare quale modulo è in FAIL
Rilevato altro slave dello stesso tipo con indirizzo uguale	OFF	5 lampeggi	5 lampeggi		OFF	OFF	OFF	OFF	• Modificare indirizzo modulo (vedere paragrafo <b>NODE SEL</b> )

Tabella 32 - Diagnostica MI8

Figura 21 - MI8

Modulo MI12T8 (Figura 22)

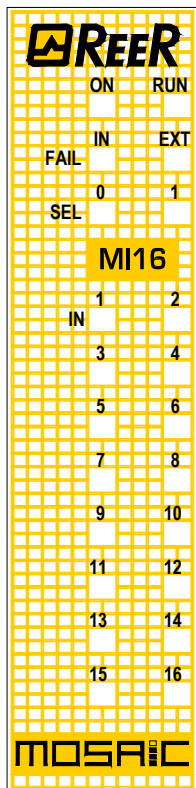


SIGNIFICATO	LED								RIMEDIO
	RUN VERDE	IN FAIL ROSSO	EXT FAIL ROSSO	SEL ARANCIONE	IN1÷12 GIALLO	OSSD1/2 ROSSO/VERDE	CLEAR1/2 GIALLO	STATUS1/2 GIALLO	
Guasto interno	OFF	2 O 3 lampeggi	OFF	riporta l'indirizzo fisico del modulo	OFF	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
Errore di compatibilità	OFF	5 lampeggi	OFF		5 lampeggi	5 lampeggi	5 lampeggi	5 lampeggi	<ul style="list-style-type: none"> <li>Versione firmware non compatibile con M1, spedire a REER per aggiornamento FW.</li> </ul>
Errore comunicazione con master	OFF	5 lampeggi	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Se persiste, spedire MI12T8 a REER per riparazione</li> </ul>
Errore su altro slave o su M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Verificare quale modulo è in FAIL</li> </ul>
Rilevato altro slave dello stesso tipo con indirizzo uguale	OFF	5 lampeggi	5 lampeggi		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificare indirizzo modulo (vedere paragrafo <b>NODE SEL</b>)</li> </ul>

Tabella 33 - Diagnostica MI12T8

Figura 22  
MI12T8

## Modulo MI16 (Figura 21)



SIGNIFICATO	LED								RIMEDIO
	RUN VERDE	IN FAIL ROSSO	EXT FAIL ROSSO	SEL ARANCIONE	IN1÷16 GIALLO	OSSD1/2 ROSSO/VERDE	CLEAR1/2 GIALLO	STATUS1/2 GIALLO	
Guasto interno	OFF	2 O 3 lampeggi	OFF	riporta l'indirizzo fisico del modulo	OFF	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
Errore di compatibilità	OFF	5 lampeggi	OFF		5 lampeggi	5 lampeggi	5 lampeggi	5 lampeggi	<ul style="list-style-type: none"> <li>Versione firmware non compatibile con M1, spedire a REER per aggiornamento FW.</li> </ul>
Errore comunicazione con master	OFF	5 lampeggi	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Se persiste, spedire MI16 a REER per riparazione</li> </ul>
Errore su altro slave o su M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Fare ripartire il sistema</li> <li>Verificare quale modulo è in FAIL</li> </ul>
Rilevato altro slave dello stesso tipo con indirizzo uguale	OFF	5 lampeggi	5 lampeggi		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificare indirizzo modulo (vedere paragrafo <b>NODE SEL</b>)</li> </ul>

Tabella 34 - Diagnostica MI16

Figura 23 - MI16

Moduli MO2 / MO4 (Figura 24)

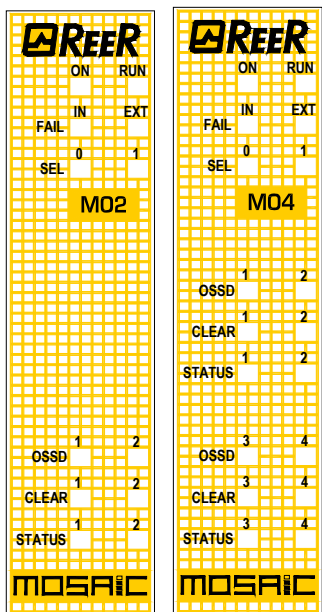


Figura 24 - MO2 / MO4

SIGNIFICATO	LED							RIMEDIO
	RUN	IN FAIL	EXT FAIL	SEL	OSSD1/4	CLEAR1/2	STATUS1/2	
	VERDE	ROSSO	ROSSO	ARANCIONE	ROSSO/VERDE	GIALLO	GIALLO	
<b>Guasto interno</b>	OFF	2 O 3 lampeggi	OFF	riporta l'indirizzo fisico del modulo	Rosso	OFF	OFF	Spedire il modulo a REER per riparazione
<b>Errore di compatibilità</b>	OFF	5 lampeggi	OFF		5 lampeggi	5 lampeggi	5 lampeggi	• Versione firmware non compatibile con M1, spedire a REER per aggiornamento FW.
<b>Errore uscite OSSD</b>	OFF	4 lampeggi	OFF		4 lampeggi (solo il LED corrispondente all'uscita in fail)	OFF	OFF	• Verificare collegamenti OSSD1/2 • Se persiste, spedire MO2/4 a REER per riparazione
<b>Errore comunicazione con master</b>	OFF	5 lampeggi	OFF		OFF	OFF	OFF	• Fare ripartire il sistema • Se persiste, spedire MI8O2 a REER per riparazione
<b>Errore su altro slave o su M1</b>	OFF	ON	OFF		OFF	OFF	OFF	• Fare ripartire il sistema • Verificare quale modulo è in FAIL
<b>Rilevato altro slave dello stesso tipo con indirizzo uguale</b>	OFF	5 lampeggi	5 lampeggi		OFF	OFF	OFF	• Modificare indirizzo modulo (vedere paragrafo <b>NODE SEL</b> )

Tabella 35 - Diagnostica MO2/MO4

## TROUBLESHOOTING

## Master M1 (Figure 19)

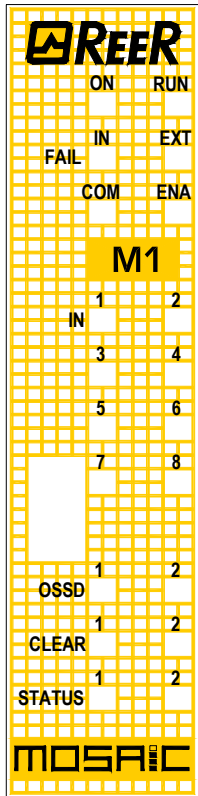
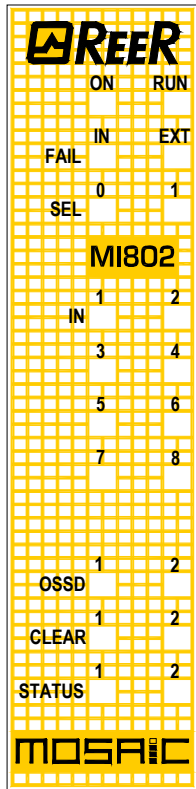


Figure 19 - M1

MEANING	LED									REMEDY
	RUN GREEN	IN FAIL RED	EXT FAIL RED	COM ORANGE	IN1÷8 YELLOW	ENA BLUE	OSSD1/2 RED/GREEN	CLEAR1/2 YELLOW	STATUS1/2 YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	OFF	OFF	OFF	Red	OFF	OFF	Return the unit to ReeR to be repaired
Configuration error	OFF	5 flashes	OFF	OFF	5 flashes	OFF	5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Upload the project to the MOSAIC again.</li> <li>If the problem persists return the M1 to ReeR to be repaired</li> </ul>
OSSD output error	OFF	4 flashes	OFF	OFF	OFF	OFF	4 flashes (only the LED corresponding to the output in FAIL mode)	OFF	OFF	<ul style="list-style-type: none"> <li>Check the OSSD1/2 connections</li> <li>If the problem persists return the M1 to ReeR to be repaired</li> </ul>
Error in communication with slave	OFF	5 flashes	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system.</li> <li>If the problem persists return the M1 to ReeR to be repaired</li> </ul>
Slave unit error	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
MCM error	OFF	6 flashes	OFF	6 flashes	OFF	OFF	OFF	OFF	OFF	Replace the MCM

Table 30 - Troubleshooting M1

MI8O2 (Figure 20)



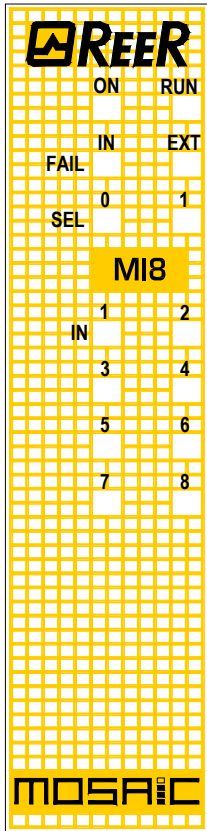
MEANING	LED								REMEDY
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷8	OSSD1/2	CLEAR1/2	STATUS1/2	
	GREEN	RED	RED	ORANGE	YELLOW	RED/GREEN	YELLOW	YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	Shows the physical address of the unit	OFF	Red	OFF	OFF	Return the unit to Reer to be repaired
Compatibility error	OFF	5 flashes	OFF		5 flashes	5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Firmware version not compatible with M1, return to Reer for FW upgrade.</li> </ul>
OSSD output error	OFF	4 flashes	OFF		OFF	4 flashes (only the LED corresponding to the output in FAIL mode)	OFF	OFF	<ul style="list-style-type: none"> <li>Check OSSD1/2 connections</li> <li>If the problem persists, return the MI8O2 to Reer to be repaired</li> </ul>
Error in communication with master	OFF	5 flashes	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>If the problem persists, return the MI8O2 to Reer to be repaired</li> </ul>
Error on other slave or M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
Same type of slave with same address detected	OFF	5 flashes	5 flashes		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Change the unit's address (see <b>NODE SEL</b>)</li> </ul>

Table 31 - Troubleshooting MI8O2

Figure 20 - MI8O2



## MI8 (Figure 21)

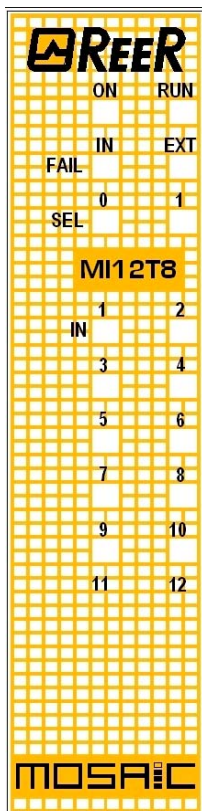


MEANING	LED								REMEDY
	RUN GREEN	IN FAIL RED	EXT FAIL RED	SEL ORANGE	IN1÷8 YELLOW	OSSD1/2 RED/GREEN	CLEAR1/2 YELLOW	STATUS1/2 YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	Shows the physical address of the unit	OFF	Red	OFF	OFF	Return the unit to ReeR to be repaired
Compatibility error	OFF	5 flashes	OFF		5 flashes	5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Firmware version not compatible with M1, return to ReeR for FW upgrade.</li> </ul>
Error in communication with master	OFF	5 flashes	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>If the problem persists, return the MI8 to ReeR to be repaired</li> </ul>
Error on other slave or M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
Same type of slave with same address detected	OFF	5 flashes	5 flashes		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Change the unit's address (see <b>NODE SEL</b>)</li> </ul>

Table 32 - Troubleshooting MI8

Figure 21 - MI8

MI12T8 (Figure 22)

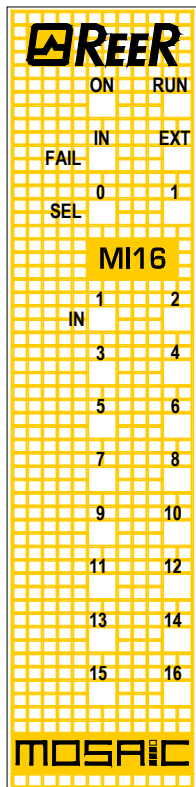


MEANING	LED								REMEDY
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷12	OSSD1/2	CLEAR1/2	STATUS1/2	
	GREEN	RED	RED	ORANGE	YELLOW	RED/GREEN	YELLOW	YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	Shows the physical address of the unit	OFF	Red	OFF	OFF	Return the unit to ReeR to be repaired
Compatibility error	OFF	5 flashes	OFF		5 flashes	5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Firmware version not compatible with M1, return to ReeR for FW upgrade.</li> </ul>
Error in communication with master	OFF	5 flashes	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>If the problem persists, return the MI12T8 to ReeR to be repaired</li> </ul>
Error on other slave or M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
Same type of slave with same address detected	OFF	5 flashes	5 flashes		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Change the unit's address (see <b>NODE SEL</b>)</li> </ul>

Table 33 - Troubleshooting MI12T8

Figure 22 - MI12T8

## MI16 (Figure 23 - MI16)



MEANING	LED								REMEDY
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷16	OSSD1/2	CLEAR1/2	STATUS1/2	
	GREEN	RED	RED	ORANGE	YELLOW	RED/GREEN	YELLOW	YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	Shows the physical address of the unit	OFF	Red	OFF	OFF	Return the unit to ReeR to be repaired
Compatibility error	OFF	5 flashes	OFF		5 flashes	5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Firmware version not compatible with M1, return to ReeR for FW upgrade.</li> </ul>
Error in communication with master	OFF	5 flashes	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>If the problem persists, return the MI16 to ReeR to be repaired</li> </ul>
Error on other slave or M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
Same type of slave with same address detected	OFF	5 flashes	5 flashes		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Change the unit's address (see <b>NODE SEL</b>)</li> </ul>

Table 34 - Troubleshooting MI16

Figure 23 - MI16

MO2 / MO4 (Figure 24)

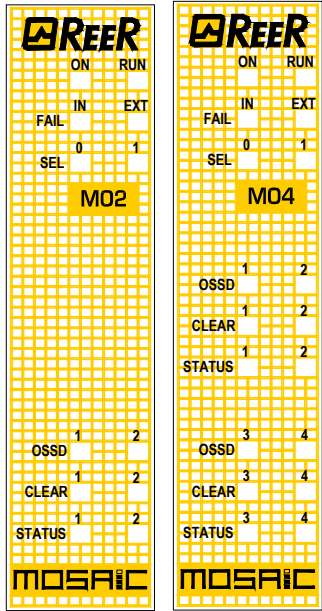


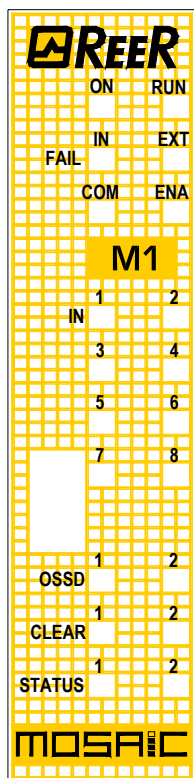
Figure 24 - MO2 / MO4

MEANING	LED							REMEDY
	RUN	IN FAIL	EXT FAIL	SEL	OSSD1/4	CLEAR1/2	STATUS1/2	
	GREEN	RED	RED	ORANGE	RED/GREEN	YELLOW	YELLOW	
Internal fault	OFF	2 or 3 flashes	OFF	Shows the physical address of the unit	Red	OFF	OFF	Return the unit to ReeR to be repaired
Compatibility error	OFF	5 flashes	OFF		5 flashes	5 flashes	5 flashes	<ul style="list-style-type: none"> <li>Firmware version not compatible with M1, return to ReeR for FW upgrade.</li> </ul>
OSSD output error	OFF	4 flashes	OFF		4 flashes (only the LED corresponding to the output in FAIL mode)	OFF	OFF	<ul style="list-style-type: none"> <li>Check OSSD1/2 connections</li> <li>If the problem persists, return the MO2/4 to ReeR to be repaired</li> </ul>
Error in communication with master	OFF	5 flashes	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>If the problem persists, return the MI8O2 to ReeR to be repaired</li> </ul>
Error on other slave or M1	OFF	ON	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Restart the system</li> <li>Check which unit is in FAIL mode</li> </ul>
Same type of slave with same address detected	OFF	5 flashes	5 flashes		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Change the unit's address (see <b>NODE SEL</b>)</li> </ul>

Table 35 - Troubleshooting MO2/MO4

## DIAGNOSTIC DES PANNES

Module master M1 (Figure 19)


 Figure 19  
M1

SIGNIFICATION	LED									REMÈDE
	RUN VERTE	IN FAIL ROUGE	EXT FAIL ROUGE	COM ORANGE	IN1÷8 JAUNE	ENA BLEU	OSDD1/2 ROUGE/VERTE	CLEAR1/2 JAUNE	STATUS1/2 JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	OFF	OFF	OFF	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de configuration	OFF	5 clignotements	OFF	OFF	5 clignotements	OFF	5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Charger à nouveau le projet dans MOSAIC</li> <li>Si le problème persiste, envoyer M1 à REER pour réparation</li> </ul>
Erreur sorties OSSD	OFF	4 clignotements	OFF	OFF	OFF	OFF	4 clignotements (seulement la LED correspondant à la sortie in fail)	OFF	OFF	<ul style="list-style-type: none"> <li>Vérifier connexions OSSD1/2</li> <li>Si le problème persiste, envoyer M1 à REER pour réparation</li> </ul>
Erreur communication avec esclave	OFF	5 clignotements	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer M1 à REER pour réparation</li> </ul>
Erreur module esclave	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Erreur MCM	OFF	6 clignotements	OFF	6 clignotements	OFF	OFF	OFF	OFF	OFF	Remplacer MCM

Tableau 30 - Diagnostic M1

Module MI802 (Figure 20)

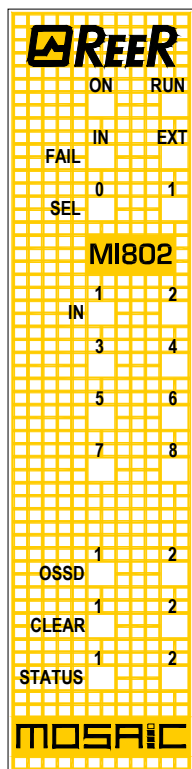
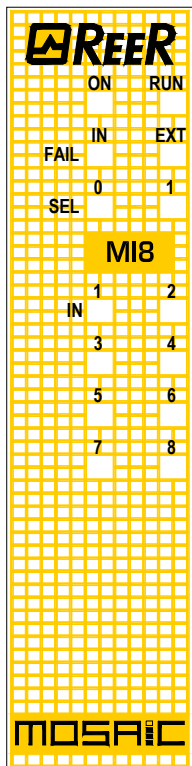


Figure 20  
MI802

SIGNIFICATION	LED								REMÈDE
	RUN VERTE	IN FAIL ROUGE	EXT FAIL ROUGE	SEL ORANGE	IN1÷8 JAUNE	OSDD1/2 ROUGE/VERTE	CLEAR1/2 JAUNE	STATUS1/2 JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	reporte l'adresse physique du module	OFF	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de compatibilité	OFF	5 clignotements	OFF		5 clignotements	5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Version firmware non compatible avec M1, envoyer à REER pour mise à jour FW.</li> </ul>
Erreur sorties OSSD	OFF	4 clignotements	OFF		OFF	4 clignotements (seulement la LED correspondant à la sortie in fail)	OFF	OFF	<ul style="list-style-type: none"> <li>Vérifier connexions OSSD1/2</li> <li>Si le problème persiste, envoyer M1802 à REER pour réparation</li> </ul>
Erreur communication avec maître	OFF	5 clignotements	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer M1802 à REER pour réparation</li> </ul>
Erreur sur autre esclave ou sur M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Autre esclave du même type avec même adresse relevé	OFF	5 clignotements	5 clignotements		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modifier adresse module (voir paragraphe <b>NODE SEL</b>)</li> </ul>

Tableau 31 - Diagnostic MI802

## Module MI8 (Figure 21)

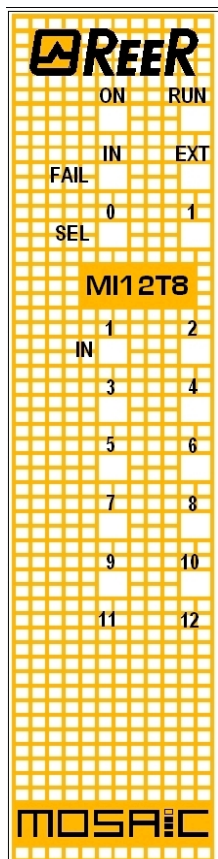


SIGNIFICATION	LED								REMÈDE
	RUN VERTE	IN FAIL ROUGE	EXT FAIL ROUGE	SEL ORANGE	IN1÷8 JAUNE	OSDD1/2 ROUGE/VERTE	CLEAR1/2 JAUNE	STATUS1/2 JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	reporte l'adresse physique du module	OFF	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de compatibilité	OFF	5 clignotements	OFF		5 clignotements	5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Version firmware non compatible avec M1, envoyer à REER pour mise à jour FW.</li> </ul>
Erreur communication avec maître	OFF	5 clignotements	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer M18 à REER pour réparation</li> </ul>
Erreur sur autre esclave ou sur M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Autre esclave du même type avec même adresse relevé	OFF	5 clignotements	5 clignotements		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modifier adresse module (voir paragraphe <b>NODE SEL</b>)</li> </ul>

Tableau 32 - Diagnostic MI8

 Figure 21  
MI8

Module MI12T8 (Figure 22)



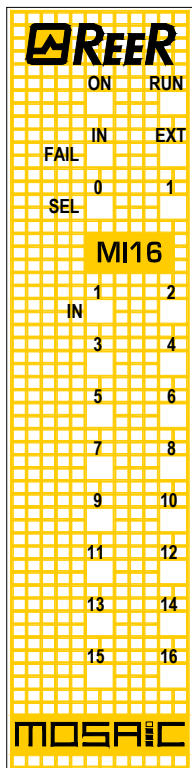
SIGNIFICATION	LED								REMÈDE
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷12	OSDD1/2	CLEAR1/2	STATUS1/2	
	VERTE	ROUGE	ROUGE	ORANGE	JAUNE	ROUGE/VERTE	JAUNE	JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	reporte l'adresse physique du module	OFF	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de compatibilité	OFF	5 clignotements	OFF		5 clignotement s	5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Version firmware non compatible avec M1, envoyer à REER pour mise à jour FW.</li> </ul>
Erreur communication avec maître	OFF	5 clignotements	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer MI12T8 à REER pour réparation</li> </ul>
Erreur sur autre esclave ou sur M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Autre esclave du même type avec même adresse relevé	OFF	5 clignotements	5 clignotements		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modifier adresse module (voir paragraphe <b>NODE SEL</b>)</li> </ul>

Tableau 33 - Diagnostic MI12T8

Figure 22  
MI12T8



## Module MI16 (Figure 23)


 Figure 23  
MI16

SIGNIFICATION	LED								REMÈDE
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷16	OSDD1/2	CLEAR1/2	STATUS1/2	
	VERTE	ROUGE	ROUGE	ORANGE	JAUNE	ROUGE/VERTE	JAUNE	JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	reporte l'adresse physique du module	OFF	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de compatibilité	OFF	5 clignotements	OFF		5 clignotements	5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Version firmware non compatible avec M1, envoyer à REER pour mise à jour FW.</li> </ul>
Erreur communication avec maître	OFF	5 clignotements	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer MI16 à REER pour réparation</li> </ul>
Erreur sur autre esclave ou sur M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Autre esclave du même type avec même adresse relevé	OFF	5 clignotements	5 clignotements		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modifier adresse module (voir paragraphe <b>NODE SEL</b>)</li> </ul>

Tableau 34 - Diagnostic MI16

Modules MO2/MO4 (Figure 24)

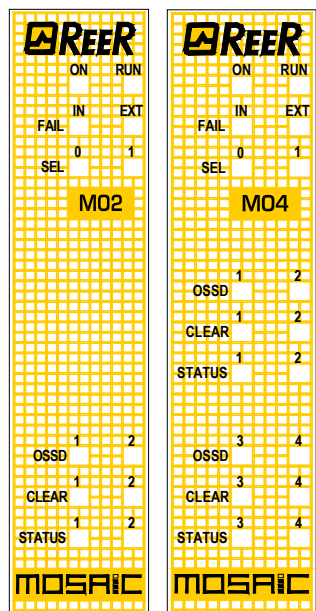


Figure 24 – MO2/MO4

SIGNIFICATION	LED							REMÈDE
	RUN	IN FAIL	EXT FAIL	SEL	OSDD1/4	CLEAR1/2	STATUS1/2	
	VERTE	ROUGE	ROUGE	ORANGE	ROUGE/VERTE	JAUNE	JAUNE	
Panne interne	OFF	2 ou 3 clignotements	OFF	reporte l'adresse physique du module	Rouge	OFF	OFF	Envoyer le module à REER pour réparation
Erreur de compatibilité	OFF	5 clignotements	OFF		5 clignotements	5 clignotements	5 clignotements	<ul style="list-style-type: none"> <li>Version firmware non compatible avec M1, envoyer à REER pour mise à jour FW.</li> </ul>
Erreur sorties OSSD	OFF	4 clignotements	OFF		4 clignotements (seulement la LED correspondant à la sortie in fail)	OFF	OFF	<ul style="list-style-type: none"> <li>Vérifier connexions OSSD1/2</li> <li>Si le problème persiste, envoyer MO2 / MO4 à REER pour réparation</li> </ul>
Erreur communication avec maître	OFF	5 clignotements	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Si le problème persiste, envoyer M1802 à REER pour réparation</li> </ul>
Erreur sur autre esclave ou sur M1	OFF	ON	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Faire repartir le système</li> <li>Vérifier quel module est en FAIL</li> </ul>
Autre esclave du même type avec même adresse relevé	OFF	5 clignotements	5 clignotements		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modifier adresse module (voir paragraphe <b>NODE SEL</b>)</li> </ul>

Tableau 33 – Diagnostic MO2 / MO4

## DEFEKTDIAGNOSE

## MODUL MASTER M1 (ABBILDUNG 19 - M1)

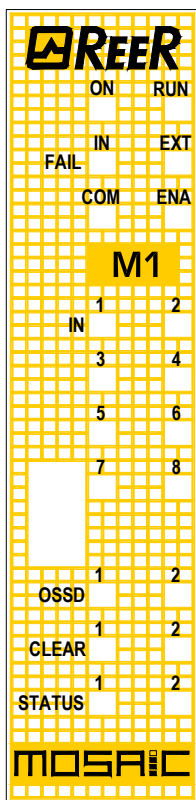


Abbildung 19 - M1

BEDEUTUNG	LED									ABHILFE
	RUN GRÜN	IN FAIL ROT	EXT FAIL ROT	COM ORANGE	IN1÷8 GELB	ENA BLAU	OSSD1/2 ROT/GRÜN	CLEAR1/2 GELB	STATUS1/2 GELB	
Interner Defekt	OFF	2- oder 3- maliges Blinken	OFF	OFF	OFF	OFF	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Konfigurationsfehler	OFF	5-maliges Blinken	OFF	OFF	5-maliges Blinken	OFF	5-maliges Blinken	5- maliges Blinken	5-maliges Blinken	<ul style="list-style-type: none"> <li>Das Projekt erneut in MOSAIC laden</li> <li>Bleibt das Problem bestehen M1 bei REER zur Reparatur einsenden</li> </ul>
Fehler OSSD- Ausgänge	OFF	4-maliges Blinken	OFF	OFF	OFF	OFF	4-maliges Blinken (nur die dem in Fail befindlichen Ausgang entsprechende LED)	OFF	OFF	<ul style="list-style-type: none"> <li>Anschlüsse OSSD1/2 kontrollieren</li> <li>Bleibt das Problem bestehen M1 bei REER zur Reparatur einsenden</li> </ul>
Fehler Kommunikation mit Slave	OFF	5-maliges Blinken	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Bleibt das Problem bestehen M1 bei REER zur Reparatur einsenden</li> </ul>
Fehler Slavemodul	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Kontrollieren, welches Modul sich in FAIL befindet</li> </ul>
Fehler MCM	OFF	6-maliges Blinken	OFF	6- maliges Blinken	OFF	OFF	OFF	OFF	OFF	MCM ersetzen

Tabelle 30 - Diagnostik M1

**MODUL MI8O2 (ABBILDUNG 20 - MI8O2)**

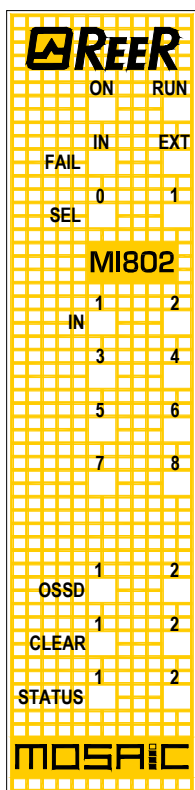


Abbildung 20 - MI8O2

BEDEUTUNG	LED								ABHILFE
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷8	OSSD1/2	CLEAR1/2	STATUS1/2	
	GRÜN	ROT	ROT	ORANGE	GELB	ROT/GRÜN	GELB	GELB	
Interner Defekt	OFF	2- oder 3-maliges Blinken	OFF	gibt die physische Adresse des Moduls an	OFF	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Kompatibilitätsfehler	OFF	5-maliges Blinken	OFF		5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	<ul style="list-style-type: none"> <li>Firmware-Version nicht mit M1 kompatibel, zur Aktualisierung der FW bei REER einsenden.</li> </ul>
Fehler OSSD-Ausgänge	OFF	4-maliges Blinken	OFF		OFF	4-maliges Blinken (nur die dem in Fail befindlichen Ausgang entsprechende LED)	OFF	OFF	<ul style="list-style-type: none"> <li>Anschlüsse OSSD1/2 kontrollieren</li> <li>Bleibt das Problem bestehen MI8O2 bei REER zur Reparatur einsenden</li> </ul>
Fehler Kommunikation mit Master	OFF	5-maliges Blinken	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Bleibt das Problem bestehen MI8O2 bei REER zur Reparatur einsenden</li> </ul>
Fehler auf anderem Slave oder auf M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Kontrollieren, welches Modul sich in FAIL befindet</li> </ul>
Anderen Slave desselben Typs mit derselben Adresse erfasst	OFF	5-maliges Blinken	5-maliges Blinken		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Die Adresse des Moduls ändern (siehe Absatz <b>NODE SEL</b>)</li> </ul>

Tabelle 31 - Diagnostik MI8O2

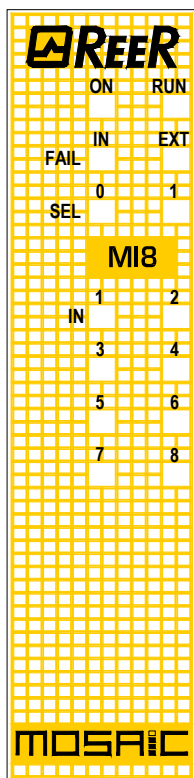
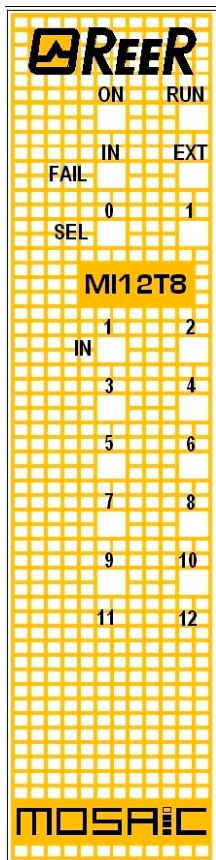
**MODUL MI8 (ABBILDUNG 21 - MI8)**


Abbildung 21 - MI8

BEDEUTUNG	LED								ABHILFE
	RUN GRÜN	IN FAIL ROT	EXT FAIL ROT	SEL ORANGE	IN1÷8 GELB	OSSD1/2 ROT/GRÜN	CLEAR1/2 GELB	STATUS1/2 GELB	
Interner Defekt	OFF	2- oder 3-maliges Blinken	OFF	gibt die physische Adresse des Moduls an	OFF	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Kompatibilitätsfehler	OFF	5-maliges Blinken	OFF		5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	<ul style="list-style-type: none"> <li>Firmware-Version nicht mit M1 kompatibel, zur Aktualisierung der FW bei REER einsenden.</li> </ul>
Fehler Kommunikation mit Master	OFF	5-maliges Blinken	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Bleibt das Problem bestehen MI8 bei REER zur Reparatur einsenden</li> </ul>
Fehler auf anderem Slave oder auf M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Kontrollieren, welches Modul sich in FAIL befindet</li> </ul>
Anderen Slave desselben Typs mit derselben Adresse erfasst	OFF	5-maliges Blinken	5-maliges Blinken		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Die Adresse des Moduls ändern (siehe Absatz <b>NODE SEL</b>)</li> </ul>

Tabelle 32 - Diagnostik MI8

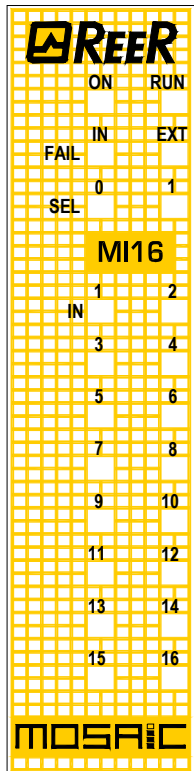
**MODUL MI12T8 (ABBILDUNG 22 - MI12T8)**



BEDEUTUNG	LED								ABHILFE
	RUN	IN FAIL	EXT FAIL	SEL	IN1÷12	OSSD1/2	CLEAR1/2	STATUS1/2	
	GRÜN	ROT	ROT	ORANGE	GELB	ROT/GRÜN	GELB	GELB	
Interner Defekt	OFF	2- oder 3-maliges Blinken	OFF	gibt die physische Adresse des Moduls an	OFF	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Kompatibilitätsfehler	OFF	5-maliges Blinken	OFF		5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	<ul style="list-style-type: none"> <li>Firmware-Version nicht mit M1 kompatibel, zur Aktualisierung der FW bei REER einsenden.</li> </ul>
Fehler Kommunikation mit Master	OFF	5-maliges Blinken	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Bleibt das Problem bestehen MI12T8 bei REER zur Reparatur einsenden</li> </ul>
Fehler auf anderem Slave oder auf M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Kontrollieren, welches Modul sich in FAIL befindet</li> </ul>
Anderen Slave desselben Typs mit derselben Adresse erfasst	OFF	5-maliges Blinken	5-maliges Blinken		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Die Adresse des Moduls ändern (siehe Absatz <b>NODE SEL</b>)</li> </ul>

Tabelle 33 - Diagnostik MI16

Abbildung 22 - MI12T8

**MODUL MI16 (ABBILDUNG 23 - MI16)**


BEDEUTUNG	LED								ABHILFE
	RUN GRÜN	IN FAIL ROT	EXT FAIL ROT	SEL ORANGE	IN1÷16 GELB	OSSD1/2 ROT/GRÜN	CLEAR1/2 GELB	STATUS1/2 GELB	
Interner Defekt	OFF	2- oder 3- maliges Blinken	OFF	gibt die physische Adresse des Moduls an	OFF	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Kompatibilitätsfehler	OFF	5-maliges Blinken	OFF		5-maliges Blinken	5-maliges Blinken	5- maliges Blinken	5-maliges Blinken	• Firmware-Version nicht mit M1 kompatibel, zur Aktualisierung der FW bei REER einsenden.
Fehler Kommunikation mit Master	OFF	5- maliges Blinken	OFF		OFF	OFF	OFF	OFF	• Das System wieder starten • Bleibt das Problem bestehen MI16 bei REER zur Reparatur einsenden
Fehler auf anderem Slave oder auf M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	• Das System wieder starten • Kontrollieren, welches Modul sich in FAIL befindet
Anderen Slave desselben Typs mit derselben Adresse erfasst	OFF	5- maliges Blinken	5- maliges Blinken		OFF	OFF	OFF	OFF	• Die Adresse des Moduls ändern (siehe Absatz <b>NODE SEL</b> )

Tabelle 34 - Diagnostik MI12T8

Abbildung 23 - MI16

**MODULE MO2 / MO4 (ABBILDUNG 24 - MO2 / MO4)**

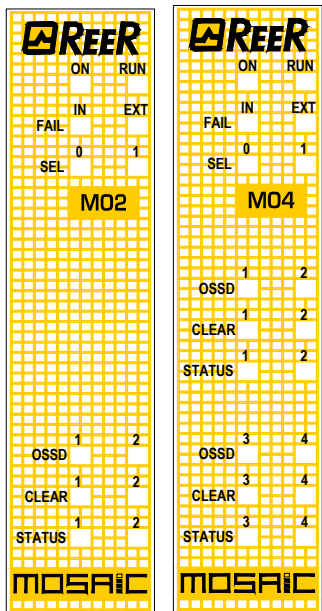


Abbildung 24 - MO2 / MO4

BEDEUTUNG	LED							ABHILFE
	RUN	IN FAIL	EXT FAIL	SEL	OSSD1/4	CLEAR1/2	STATUS1/2	
	GRÜN	ROT	ROT	ORANGE	ROT/GRÜN	GELB	GELB	
Interner Defekt	OFF	2- oder 3-maliges Blinken	OFF	gibt die physische Adresse des Moduls an	Rot	OFF	OFF	Das Modul zur Reparatur bei REER einsenden
Kompatibilitätsfehler	OFF	5-maliges Blinken	OFF		5-maliges Blinken	5-maliges Blinken	5-maliges Blinken	<ul style="list-style-type: none"> <li>Firmware-Version nicht mit M1 kompatibel, zur Aktualisierung der FW bei REER einsenden.</li> </ul>
Fehler OSSD-Ausgänge	OFF	4-maliges Blinken	OFF		4-maliges Blinken (nur die dem in Fail befindlichen Ausgang entsprechende LED)	OFF	OFF	<ul style="list-style-type: none"> <li>Anschlüsse OSSD1/2 kontrollieren</li> <li>Bleibt das Problem bestehen MO2 / 4 bei REER zur Reparatur einsenden</li> </ul>
Fehler Kommunikation mit Master	OFF	5-maliges Blinken	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Bleibt das Problem bestehen MI802 bei REER zur Reparatur einsenden</li> </ul>
Fehler auf anderem Slave oder auf M1	OFF	ON	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Das System wieder starten</li> <li>Kontrollieren, welches Modul sich in FAIL befindet</li> </ul>
Anderen Slave desselben Typs mit derselben Adresse erfasst	OFF	5-maliges Blinken	5-maliges Blinken		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Die Adresse des Moduls ändern (siehe Absatz <b>NODE SEL</b>)</li> </ul>

Tabelle 35 - Diagnostik MO2/MO4



# DIAGNÓSTICO DE AVERÍAS

## Módulo principal M1 (Figura 19 - M1)

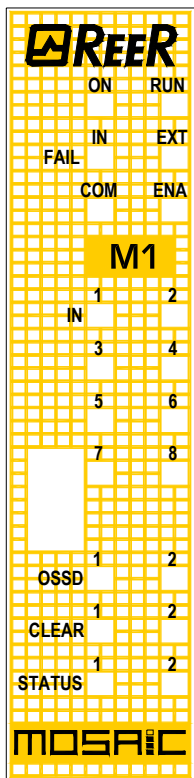
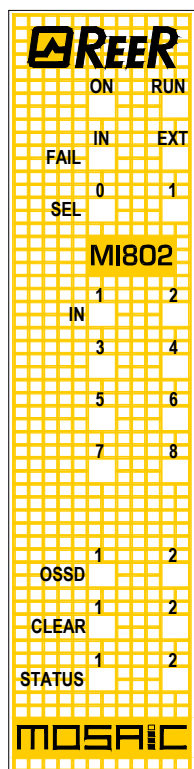


Figura 19 - M1

SIGNIFICADO	LED									REMEDIO
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	COM NARANJA	IN1÷8 AMARILLO	ENA AZUL	OSSD1/2 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO	
Avería interna	OFF	2 o 3 parpadeos	OFF	OFF	OFF	OFF	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación
Error de configuración	OFF	5 parpadeos	OFF	OFF	5 parpadeos	OFF	5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Cargar nuevamente el proyecto en MOSAIC</li> <li>Si el problema subsiste, el M1 a REER para la reparación</li> </ul>
Error salidas OSSD	OFF	4 parpadeos	OFF	OFF	OFF	OFF	4 parpadeos (sólo el LED correspondiente a la salida en error)	OFF	OFF	<ul style="list-style-type: none"> <li>Comprobar las conexiones OSSD1/2</li> <li>Si el problema subsiste, el M1 a REER para la reparación</li> </ul>
Error de comunicación con slave	OFF	5 parpadeos	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, el M1 a REER para la reparación</li> </ul>
Error módulo slave	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Error MCM	OFF	6 parpadeos	OFF	6 parpadeos	OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reemplazar MCM</li> </ul>

Tabla 30 - Diagnóstico M1

**Módulo MI8O2 (Figura 20 - MI8O2)**



SIGNIFICADO	LED								REMEDIO	
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	SEL NARANJA	IN1÷8 AMARILLO	OSSD1/2 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO		
Avería interna	OFF	2 ó 3 parpadeos	OFF	muestra la dirección física del módulo	OFF	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación	
Error de compatibilidad	OFF	5 parpadeos	OFF		5 parpadeos	5 parpadeos	5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Versión firmware no compatible con M1, enviar a REER para la actualización FW</li> </ul>
Error salidas OSSD	OFF	4 parpadeos	OFF		OFF	4 parpadeos (sólo el LED correspondiente a la salida en error)	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Comprobar las conexiones OSSD1/2</li> <li>Si el problema subsiste, enviar el MI8O2 a REER para la reparación</li> </ul>
Error de comunicación con master	OFF	5 parpadeos	OFF		OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, enviar el MI8O2 a REER para la reparación</li> </ul>
Error en otro slave o en M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Otro slave detectado del mismo tipo y con la misma dirección	OFF	5 parpadeos	5 parpadeos		OFF	OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificar la dirección del módulo (ver el apartado NODE SEL)</li> </ul>

Figura 20 - MI8O2

Tabla 31 - Diagnóstico MI8O2

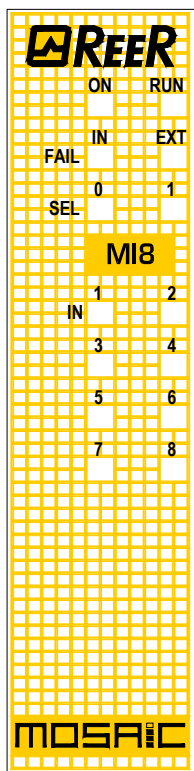
**Módulo MI8 (Figura 21 - MI8)**


Figura 21 - MI8

SIGNIFICADO	LED								REMEDIOS
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	SEL NARANJA	IN1÷8 AMARILLO	OSSD1/2 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO	
Avería interna	OFF	2 ó 3 parpadeos	OFF	muestra la dirección física del módulo	OFF	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación
Error de compatibilidad	OFF	5 parpadeos	OFF		5 parpadeos	5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Versión firmware no compatible con M1, enviar a REER para la actualización FW</li> </ul>
Error de comunicación con master	OFF	5 parpadeos	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, enviar el MI8 a REER para la reparación</li> </ul>
Error en otro slave o en M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Otro slave detectado del mismo tipo y con la misma dirección	OFF	5 parpadeos	5 parpadeos		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificar la dirección del módulo (ver el apartado <b>NODE SEL</b>)</li> </ul>

Tabla 32 - Diagnóstico MI8

**Módulo MI12T8 (Figura 22 - MI12T8)**

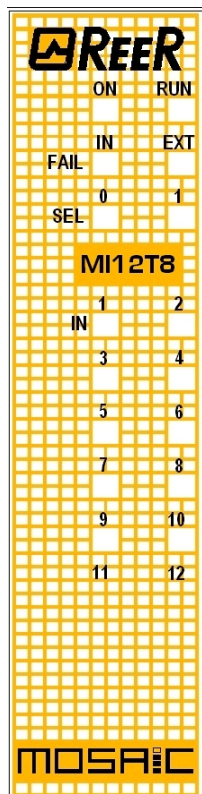
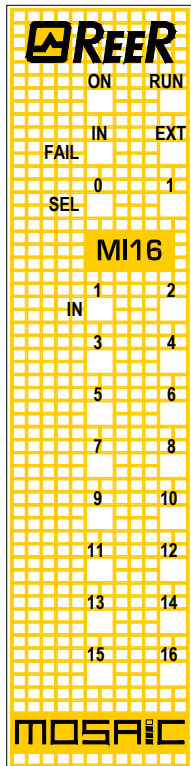


Figura 22 - MI12T8

SIGNIFICADO	LED								REMEDIOS
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	SEL NARANJA	IN1÷12 AMARILLO	OSSD1/2 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO	
Avería interna	OFF	2 ó 3 parpadeos	OFF	muestra la dirección física del módulo	OFF	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación
Error de compatibilidad	OFF	5 parpadeos	OFF		5 parpadeos	5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Versión firmware no compatible con M1, enviar a REER para la actualización FW</li> </ul>
Error de comunicación con master	OFF	5 parpadeos	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, enviar el MI12T8 a REER para la reparación</li> </ul>
Error en otro slave o en M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Otro slave detectado del mismo tipo y con la misma dirección	OFF	5 parpadeos	5 parpadeos		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificar la dirección del módulo (ver el apartado NODE SEL</li> <li>)</li> </ul>

Tabla 33 - Diagnóstico MI12T8

**Módulo MI16 (Figura 21 - MI8)**


SIGNIFICADO	LED								REMEDIO
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	SEL NARANJA	IN1÷16 AMARILLO	OSSD1/2 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO	
Avería interna	OFF	2 ó 3 parpadeos	OFF	muestra la dirección física del módulo	OFF	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación
Error de compatibilidad	OFF	5 parpadeos	OFF		5 parpadeos	5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Versión firmware no compatible con M1, enviar a REER para la actualización FW</li> </ul>
Error de comunicación con master	OFF	5 parpadeos	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, enviar el MI16 a REER para la reparación</li> </ul>
Error en otro slave o en M1	OFF	ON	OFF		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Otro slave detectado del mismo tipo y con la misma dirección	OFF	5 parpadeos	5 parpadeos		OFF	OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificar la dirección del módulo (ver el apartado NODE SEL)</li> </ul>

Tabla 34 - Diagnóstico MI16

Figura 23 - MI16

Módulos MO2 / MO4 (Figura 24 - MO2 / MO4)

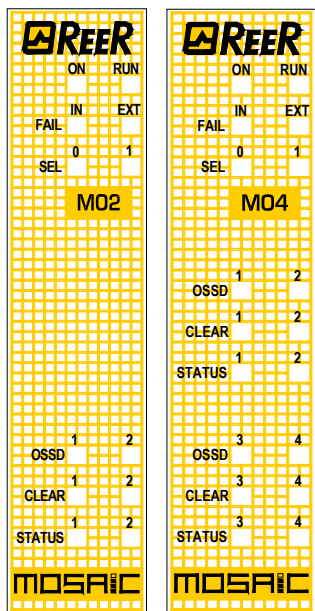


Figura 24 - MO2 / MO4

SIGNIFICADO	LED							REMEDIO
	RUN VERDE	IN FAIL ROJO	EXT FAIL ROJO	SEL NARANJA	OSSD1/4 ROJO/VERDE	CLEAR1/2 AMARILLO	STATUS1/2 AMARILLO	
Avería interna	OFF	2 ó 3 parpadeos	OFF	muestra la dirección física del módulo	Rojo	OFF	OFF	Enviar el módulo a REER para la reparación
Error de compatibilidad	OFF	5 parpadeos	OFF		5 parpadeos	5 parpadeos	5 parpadeos	<ul style="list-style-type: none"> <li>Versión firmware no compatible con M1, enviar a REER para la actualización FW</li> </ul>
Error salidas OSSD	OFF	4 parpadeos	OFF		4 parpadeos (sólo el LED correspondiente a la salida en error)	OFF	OFF	<ul style="list-style-type: none"> <li>Comprobar las conexiones OSSD1/2</li> <li>Si el problema subsiste, enviar el MO2/4 a REER para la reparación</li> </ul>
Error de comunicación con master	OFF	5 parpadeos	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Si el problema subsiste, enviar el MI802 a REER para la reparación</li> </ul>
Error en otro slave o en M1	OFF	ON	OFF		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Reiniciar el sistema</li> <li>Comprobar qué módulo está en ERROR</li> </ul>
Otro slave detectado del mismo tipo y con la misma dirección	OFF	5 parpadeos	5 parpadeos		OFF	OFF	OFF	<ul style="list-style-type: none"> <li>Modificar la dirección del módulo (ver el apartado NODE SEL)</li> </ul>

Tabla 35 - Diagnóstico MO2/MO4