

Elevator Door Lock Monitoring

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Outputs From DLM01:

SAFE - ||- (Safety)

Dry relay contacts, closed during normal operation.

Contacts open on critical fault or loss of power.

A critical fault is generated from an invalid IO condition such as no voltage on DCL and DOL at the same time (indicating the car door is open and closed at the same time).

This Output contact can be wired in series with the elevator controller safety circuit as a backup safety.

CLOSE - ||- (Door Close Enable)

Dry relay contacts, closed during normal operation.

Contacts open on jumper fault or loss of power. A jumper fault is generated when the car door is fully open (DOL Input Not Active) with DL and/or GS Active.

This Output contact is wired in series with the Car Door Close signal from the elevator controller to the door operator.

This output prevents the door from closing if it is fully open and DL and/or GS are Active.

RUN - ||- (Elevator Run Enable)

Dry relay contacts, closed during normal operation.

Contacts open on critical fault, loss of power or loss of DL or GS when car is not in the Door Zone (DZ not Active).

This Output contact is wired in series with the Car Run signal from the elevator controller.

SP - ||-

Reserved.

Can be software configured for Rear Door Close Enable on rear door jobs.

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Outputs Truth Table:

	SAFE	CLOSE	RUN	SP
Normal - Closed	1	1	1	0
Normal-Car in Door Zone	1	1	1	0
Normal-Open/Not in DZ	1	1	0	0
Fault - Jumper	1	0	1	0
Fault - Critical	0	0	0	0