

Resource Module — Converts Solid-State Outputs to Force-Guided Relay Outputs

- Converts the solid-state safety outputs of one Omron STI safety device to electro-mechanical force-guided safety relay outputs
- Compatible with Omron STI's MS4600, MS4800, F3SJ, PA4600 and OS3101
- CE approved
- 55 mm DIN enclosure
- Removable terminal blocks



File No. LR90200-34

Specifications

Performance	
Response Time:	< 8 ms
Indicators:	LED, 2 green-power to output relay
Electrical	
Input Power:	24 VDC , 2.6 VA (from safety source)
Safety Outputs:	Two NO force-guided contacts, rated 250 VAC, 6 A
Auxiliary (Non-Safety) Outputs:	Two NC force-guided contacts, rated 250 VAC, 6 A
MPCE Monitor:	The RM-1 relay safety outputs may be monitored by the light curtain
Cable Connections/ Terminal Blocks:	2 rows of removable terminal blocks, 14 AWG max. wire
Environmental	
Enclosure Rating:	IP20
Operating Temperature:	0 to 55°C (32 to 131°F)
Relative Humidity:	95% maximum, non-condensing
Conformity/ Approvals	
Conformity to Standards:	CE approved and conforms to IEC 61496-1, IEC 61508, EN 954-1, EN 60204-1, EN 50178, and Type 4* safety category. UL listed.
Mechanical	
Enclosure:	Polycarbonate
Mounting:	35 mm (1.38 in.) DIN rail or screw
Dimensions:	55 mm W x 75 mm H x 110 mm D (2.17 in. W x 2.95 in. H x 4.33 in. D)

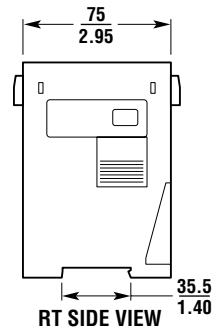
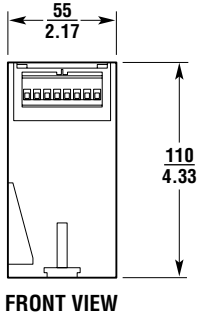
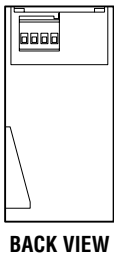
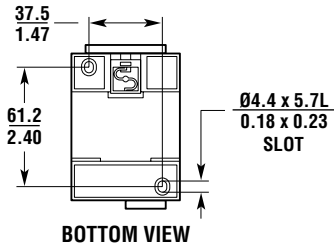
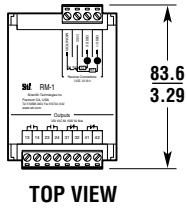
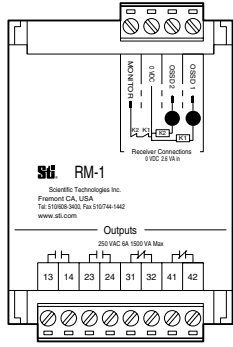
* When used with an Omron STI Type 4 safety light curtain.
Specifications are subject to change without notice.

Description

The RM-1 is a resource module in a DIN type enclosure. When used in conjunction with Omron STI safety devices, it provides output conversion from solid-state to a mechanical relay output. Two NO safety relay outputs and two NC auxiliary relay outputs are provided. These relays are force-guided and can be used for the machine's primary controls (refer to the specifications for contact ratings). Removable terminal blocks facilitate installation and servicing.

Dimensions

(mm/in.)









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Ordering

Model No.	Description
RM-1	Resource module, 24 VDC, DIN rail-mount

 = Highlighted **Rapid Delivery** products are available for shipment today or within **THREE** days.

-  For information on the OS3101, see page B1
-  For information on the PA4600, see page C3
-  For information on the F3SJ, see page D4
-  For information on the MS4600, see page D23
-  For information on the MS4800, see page D13
-  For information on safety light curtain accessories, see page D48