

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

- Converts the solid-state safety and auxiliary outputs of one Omron STI safety device to electro-mechanical force-guided safety relay outputs
- Available for DC or AC input power
- Provides connection points for all safety device functions including MPCE monitoring and 24 VDC power
- Compatible with Omron STI's MS4800, F3SJ, PA4600, OS3101 and OS32C
- CE approved
- Enclosures —
RM-2: 100 mm DIN, IP20
RM-2AC: 150 mm DIN, IP20
RM-2AC-IP: metal chassis, IP65
- Removable terminal blocks



File No. LR90200-34

Specifications

Performance	
Response Time:	10 ms N.O., 20 ms N.C.
Indicators:	3 green LEDs: power, safety output 1, safety output 2
Electrical	
Input Power:	RM-2: 24 VDC, 19 VA RM-2AC: 100 to 240 VAC, 50 VA RM-2AC-IP: 100 to 240 VAC, 50 VA
Safety Outputs:	RM-2: Two N.O. force-guided contacts rated 250 VAC, 6A RM-2AC: Two N.O. and one N.C. force-guided contacts rated 250 VAC, 6 A RM-2AC-IP: Two N.O. and one N.C. force-guided contacts rated 250 VAC, 6A
Auxiliary (Non-Safety) Outputs:	RM-2: Two N.C. rated 250 VAC, 3 A RM-2AC: One N.O./N.C. rated 250 VAC, 3 A RM-2AC-IP: Two N.O./N.C. contacts rated 250 VAC, 3 A
MPCE Monitor or EDM:	The safety outputs of the RM unit may be monitored by the light curtain
Cable Connections/ Terminal Blocks:	2 rows of removable terminal blocks, 14 AWG max. wire
Environmental	
Enclosure Ratings:	RM-2: IP20 RM-2AC: IP20 RM-2AC-IP: IP65
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:	RM-2: IP20, polycarbonate DIN rail mount RM-2AC: IP20, polycarbonate DIN rail mount RM-2AC-IP: IP65, metal chassis
Dimensions:	RM-2: 100 mm W x 75 mm H x 110 mm D (3.94 in. W x 2.95 in. H x 4.33 in. D) RM-2AC: 150 mm W x 75 mm H x 110 mm D (5.91 in. W x 2.95 in. H x 4.33 in. D) RM-2AC-IP: 166 mm W x 283 mm H 70 mm D (6.55 in. W x 11.17 in. H x 2.76 in. D)

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

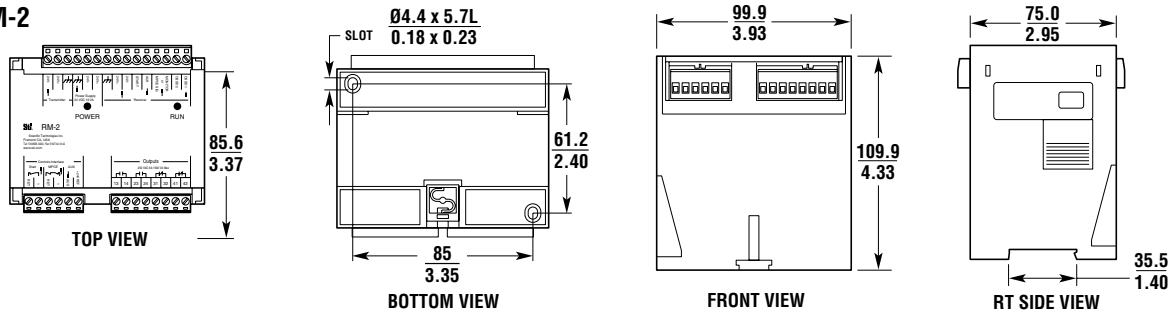
Description

The RM-2, RM-2AC and RM-2AC-IP are resource modules that provide a centralized location for all wire terminations. In addition the RM-2AC and RM-2AC-IP supply power to the light curtain or scanner. When used in conjunction with Omron STI safety devices, they provide output conversion from solid-state to a mechanical relay output. These modules carry force-guided relays and can be used for the machine's primary controls (refer to the specifications for contact ratings). Removable terminal blocks facilitate installation and servicing.

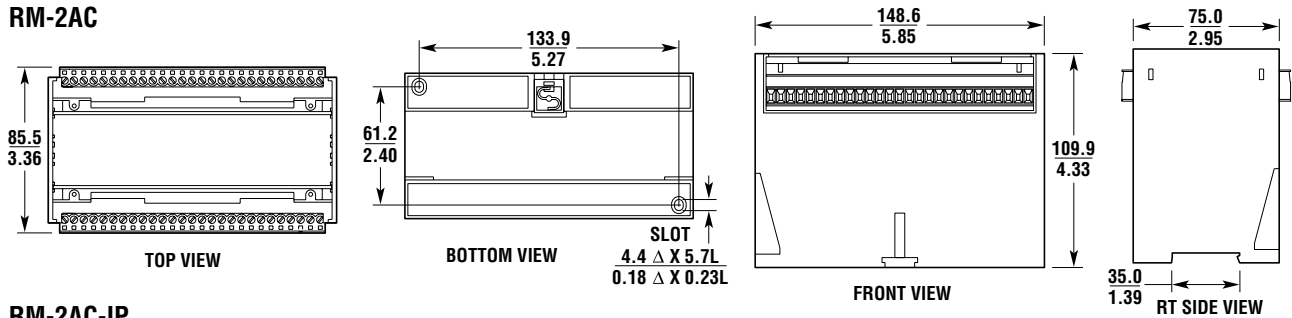
Dimensions

(mm/in.)

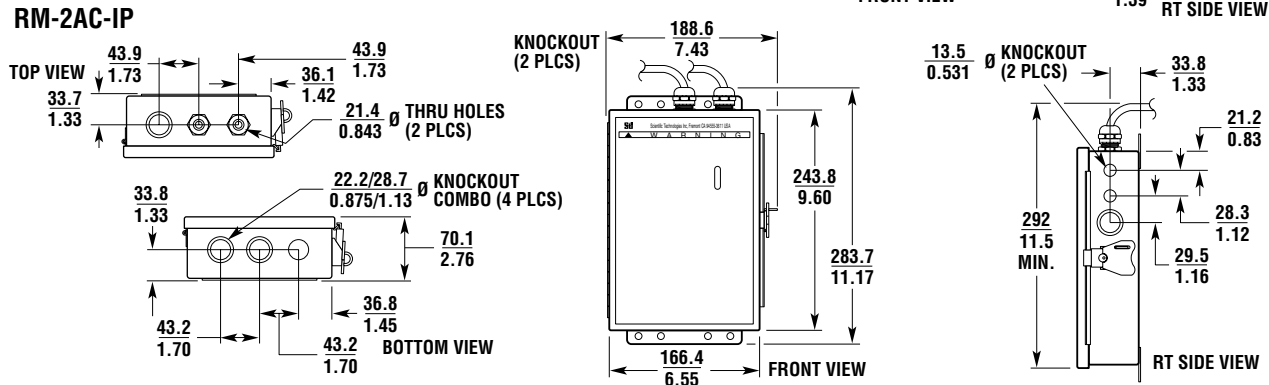
RM-2



RM-2AC



RM-2AC-IP



Ordering

Model No.	Description
RM-2	Resource module, 24 VDC, DIN rail-mount, for use with MS4800 and PA4600
RM-2AC	Resource module, 100 to 240 VAC, DIN rail-mount, for use with MS4800, PA4600 and OS3101.
RM-2AC-IP	Resource module, 100 to 240 VAC, metal chassis, for use with F3SJ-A, MS4800, PA4600 and OS3101.
RM-2AC-IP-SB1	Resource module, 100 to 240 VAC, metal chassis, with key switches for quick-fixed blanking programming, for use with the MS4800S-SB1

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

For information on the OS3101, see page B16

For information on the OS32C, see page B6

For information on the PA4600, see page C3

For information on the F3SJ, see page D4

For information on the MS4800, see page D13

For information on safety light curtain accessories, see page D42