MIC-ALM-WAS-24 Interface box, alarm, washer pump, 24VAC

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Invented for life

▶ Provides alarm and washer interface connections for MIC7000 cameras

▶ Impact-resistant polycarbonate enclosure rated to IP67 and NEMA 4X

▶ Watertight cable glands included

▶ Push button to activate/test connected washer pump

The MIC Alarm/Washer Interface unit consists of a weatherproof enclosure that houses surge-protected interface connections for alarm inputs, alarm outputs, washer relay, power connection, and serial data link to MIC7000 cameras. The unit is equipped with removal screw terminal blocks to simplify attachment of electrical connections to external cabling. Board mounted LED indicators provide status and diagnostic feedback.
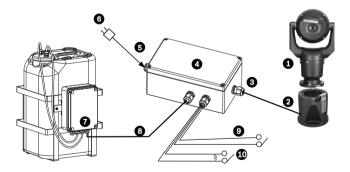
Ingress Protection Rating/ Standard	IP67 NEMA 4, 4X, 6, 12, 13

Certifications and approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003, and CE regulations, including latest versions of EN 50130-4, EN 55022:2006 inc. AL:2007, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, and EN 50121-4 (Railway applications)
Product Safety	Complies with UL, CE, CSA, EN, and IEC Standards 60950-1 & 22
	IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT), IEC 61000-4-5 (surge)

Installation/configuration notes

Typical configuration with MIC-ALM-WAS-24

1 MIC7000 camera

2 MIC Hinged DCA (MIC-DCA-Hx)

3 RS-485 cable, 3-conductor (user-supplied)

6 24 VAC Power pack, 1A, 50/60 Hz (user-supplied)

7 Washer pump accessory

8 Interface cable for washer control (user-supplied)

4   MIC-ALM-WAS-24 enclosure

5   Interface cable for 24 VAC (user-supplied) for MIC-ALM-WAS-24

9   Alarm input / output interface cables (user-supplied)

10 Monitored Normally Open switch for Supervised Alarm (user-supplied)

Parts included

Quantity	Component
1	MIC Alarm/Washer Interface (MIC-ALM-WAS-24) enclosure with three (3) watertight M16 cable glands and one (1) M16 blanking plug installed
1	Watertight M16 cable gland, uninstalled
4	Pozidriv screws for lid
4	Screw caps to cover the lid screws
1	Installation manual

Technical specifications

Electrical

Input voltage	24 VAC ± 10%, 50/60 Hz
Power consumption	1.5 W

Surge Suppression

Protection on RS-485	Peak current 10 A, peak power 300 W (8/20 µ)
Protection on Alarm Inputs	Peak current 17 A, peak power 300 W (8/20 µ)
Protection on Alarm Outputs	Peak current 2 A, peak power 300 W (8/20 µ)
Protection on Relay Outputs	Peak current 7.3 A, peak power 600 W (10/1000 µ)
Protection on Power Input (Camera)	Peak current 7.3 A, peak power 600 W (10/1000 µ)

Miscellaneous

LEDs	Red LED (ON indicates power on) Green LEDs (blinking indicates activation for each alarm input) Yellow LED (blinking indicates active communication between the MIC-ALM-WAS-24 and the MIC7000 camera)
Communications Protocol	Proprietary half-duplex RS-485, 57600 baud

User Connections

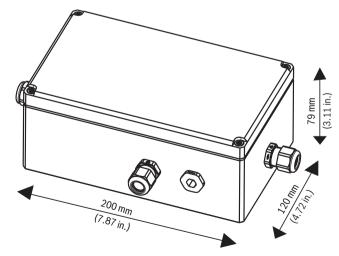|	
Power	24 VAC
Alarm Input	4 normal dry contacts (selectable N.O./N.C.) 2 monitored tamper alarm inputs, 2.2K ohm end-of-line termination
Alarm Output	3 open collector outputs, 32 VDC, 150 mA
Relay Output	1 dry contact relay, 24VAC/VDC, 5 A (for washer pump)
Alarm/Data	3-wire RS-485 (to external alarm/washer accessory unit) up to 100 m

Environmental

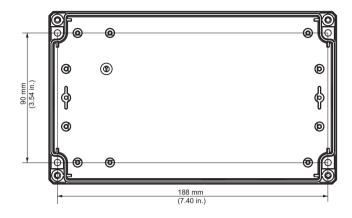|	
Ingress Protection Rating/ Standard	IP67 NEMA 4, 4X, 6, 12, 13
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Cold Start-up Temperature	-40 °C (-40 °F) (Requires 60 minute warm-up prior to operation)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity	0-100%

Construction

Dimensions (L x W x H)	200 mm x 120 mm x 79 mm (7.9 in. x 4.7 in. x 3.1 in.)
Weight	0.6 kg (1.3 lb)
Construction Material	Polycarbonate
Standard Color	Grey (RAL 7035)
Standard Finish	sand finish

Dimensional Drawings

Dimensional drawing, MIC-ALM-WAS-24

Dimensions, mounting holes, MIC-ALM-WAS-24

Ordering information

MIC-ALM-WAS-24 Interface box, alarm, washer pump, 24VAC

Interface box for alarms and washer pump connections for MIC7000 and MIC IP fusion 9000i cameras. Requires user-supplied 24 VAC, 50/60 Hz input. Impact-resistant polycarbonate enclosure. IP67 and NEMA 4X rated ingress. Includes four (4) watertight glands. Grey (RAL 7035) enclosure color.
Order number **MIC-ALM-WAS-24**