Product Description

The PROACTIV® Agent Release Module (ARM) provides 2 or 4 supervised agent release outputs that are controlled directly by the PROACTIV System and are used to supervise and activate suppression systems.

The ARM can be wall-mounted inside a surface or recess style electrical Gang Back Box. A tamper-proof slide-in label is used to identify each output.

The ARM is connected to the Ancillary SLC of the PROACTIV Fire Alarm Control Panel (FACP). It is supplied with a single expansion card supporting 2 output circuits. A second expansion card (allowing an additional 2 output circuits) can be purchased separately. Expansion cards are mounted on the rear of the main board.

Function

The ARM supports up to 4 programmable, supervised releasing outputs (2 per expansion card) rated at 2.5 Amps at 24 VDC. The output circuit is activated and a visual indication is displayed when an associated zone in the FACP becomes active. A trouble is indicated when an earth leakage, open circuit, short circuit or overload condition is detected.

The ARM utilizes the unique "dual confirmation" activation algorithm to guard against unwanted agent discharge of connected suppression systems.
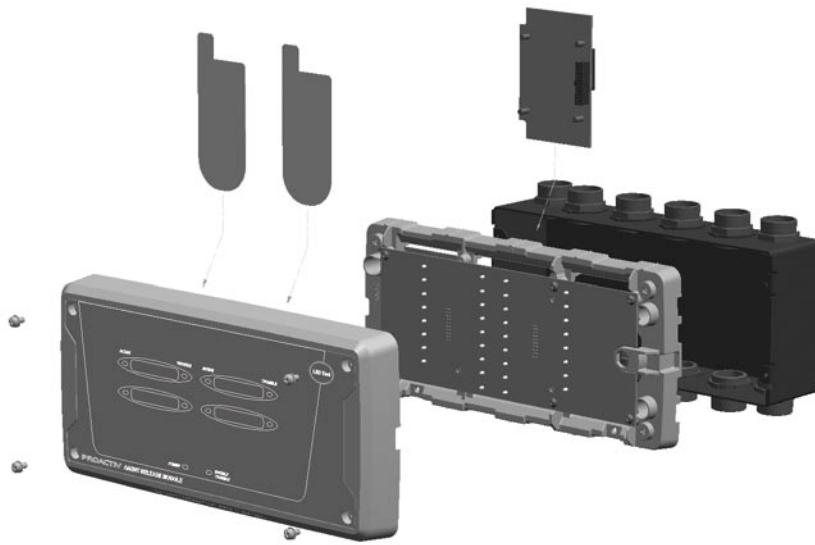
Operation

Each programmable output has two LEDs: the 'ACTIVE' LED (red) indicates when an output is active while the 'TROUBLE' LED (amber) indicates a fault condition on the output circuit.

An audible buzzer will sound when a local device error is detected (or when a fault condition on the output circuit is detected).

Features

- Provides 2 or 4 programmable, supervised 24 VDC agent release outputs
- Fail-safe "Dual Confirmation" algorithm to protect against unwanted agent discharges
- Output Active and Trouble LEDs
- Device input Power LED
- Local LED test
- Surface or recess style wall mounting
- Redundant 24 VDC power inputs
- Separate power input for the expansion card
- Convenient power in / power out connectors
- Robust fault tolerant communications
- Ground fault detection
- Tamper proof zone identification card
- Supports NFPA 72 Style 4 or Style 6 SLC wiring

Listings/Approvals

- UL 864 9th Edition

Specifications

Device Type
PROACTIV Ancillary device with 2 or 4 output circuits

Ancillary SLC
NFPA 72 Style 4 or Style 6
Supports a maximum of 31 nodes at a total distance of 3000 feet (1 kilometer)

Power Supply
UL1481 Listed 24 VDC current limited power supply for each expansion card.

Supply Voltage
24 VDC
The ARM will generate a fault if the power supply falls below 21 VDC at the expansion card input.

Output Type
Special Application, 24 VDC

Current Consumption @ 24 VDC
Max. 80 mA standby
(2 modules, releasing device EOL load dependencies)

120 mA + (4 x output currents) maximum in alarm

Maximum output current
2.5 Amps per output

Dimensions (WH)
11.5 in x 5.4 in (292 mm x 138 mm)

Operating Environment
Dry Indoor
32°F to 120°F (0° to 49°C)
20% to 95% RH, non-condensing

Cable Termination
Screw terminal blocks 18 – 14 AWG
(0.2 to 2.0 mm^2)

Mounting
UL Listed metallic Gang Back Box

Ordering Information

PROACTIV Ancillary Devices

Description	Model
Remote Annunciator (RA)	VFA-213
Fire Alarm Annunciator (FAA)	VFA-201
Fire Alarm Annunciator – Open Collector (FAA–OC)	VFA-205
Annunciator & Control Module (ACM)	VFA-203
Output Control Module – NAC (OCM–NAC)[1]	VFA-209
OCM–NAC Expansion Kit	PSP-2010
Output Control Module – Contact (OCM–Contact)[2]	VFA-211
OCM–Contact Expansion Kit	PSP-2012
Agent Release Module (ARM)[3]	VFA-207
ARM Expansion Kit	PSP-2014

[1] The OCM–NAC supports two expansion kits (PSP-2010) and includes one expansion kit as standard.
[2] The OCM–Contact supports two expansion kits (PSP-2012) and includes one expansion kit as standard.
[3] The ARM supports two expansion kits (PSP-2014) and includes one expansion kit as standard.

Note: Not all of the above products are available in all regions.
Consult your local distributor or Xtralis office for more information.

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