

# ARIES®-MLX, ARIES®-SLX LED and Relay Output Driver Modules Models ATM-L and ATM-R



Effective: May 2020  
K-76-236

## FEATURES

- Model ATM-L supports 32 programmable, supervised LED outputs, 6 system-level LED outputs and 5 system-level input circuits
- Model ATM-L supports 32 programmable LED outputs, 6 system LED outputs and 5 system inputs
- Model ATM-R activates up to 32 programmable relays
- Up to 16 ATM-L, ATM-R or combination of both per control unit
- Can be mixed with up to 15 RDCMs per control unit
- Can be installed up to 4000 feet (1219 meters) from control unit
- Supports applications with legacy Kidde Fire Systems control units
- UL Listed and FM Approved

## DESCRIPTION

The Model ATM-L Annunciator (LED) Driver Module (P/N 76-200004-032) provides ARIES®-MLX, ARIES®-SLX or legacy control units (ARIES® NETLink, ARIES®) with up to 32 programmable, supervised LED outputs for graphical or tabular annunciators, along with 6 system-level LED outputs and 5 system-level input circuits for functional switches.

The system-level LEDs correspond to the following general conditions:

- Module Power
- Alarm
- Pre-Alarm
- Alarm Silence
- Supervisory
- Trouble

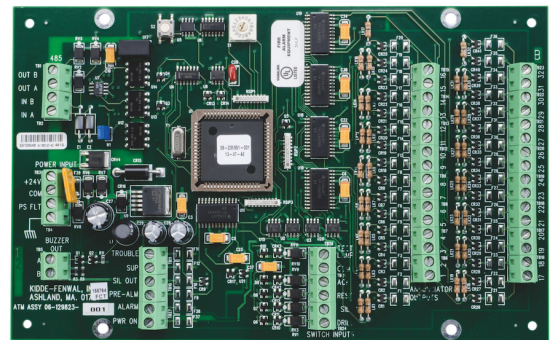
The functional switches provide for the following operator intervention:

- System Reset
- Event Acknowledgment
- Alarm Silence
- Fire Drill
- Lamp Test

The Model ATM-R Relay Driver Module, P/N 76-200005-032, can activate up to 32 programmable, supervised relays.

These modules communicate with the control unit via an external RS-485 communications circuit, with the most-remote module capable of being located up to 4,000 feet from the control unit. Up to 16 remote ATM-L, ATM-R or combination of both can be mixed with up to 15 RDCMs on the control unit's RS-485 circuit.

Both modules can be powered from the control unit's power supply, or from an external, regulated, and power-limited power supply Listed for use with fire-protective-signaling equipment.

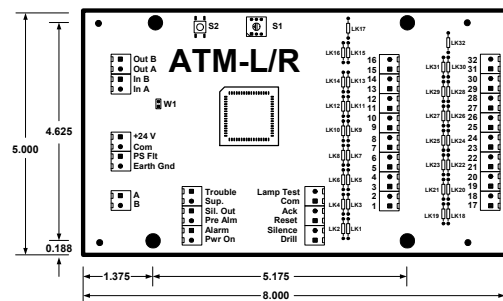


Model ATM-L Annunciator Driver Module

## INSTALLATION

The ATM-L Module is intended for mounting inside the enclosure of a UL-864 Listed remote annunciator. Use the mounting hardware provided with the module. Wire routing and installation methods are to be in accordance with the annunciator installation instructions.

The ATM-R is intended for mounting inside the enclosure of a UL-864 Listed accessories cabinet. Use the mounting hardware provided with the module (see Figure 1).



**Note:**

Maintain a minimum one-half (1/2) inch clearance around ATM-L and ATM-R Modules when installed in mounting enclosure.

Figure 1. Module Mounting Dimensions

## SPECIFICATIONS

<b>Operating Voltage</b>	16.0 to 28.8 Vdc (non-resettable)
<b>Standby Current</b>	0.045 A
<b>Output Activation</b>	Common Positive individual-output negative pull downs
<b>ATM-L Outputs</b>	
LED	0.015 A maximum
Audible Appliance	0.015 A maximum
<b>ATM-R Outputs</b>	0.080 A maximum
<b>Total Alarm Current</b>	Depends upon output load. Must be calculated for each application.
<b>Supervised Power-Limited Wire Sizes</b>	
RS-485 Communications	14 - 18 AWG (Twisted, Unshielded)
24 Vdc Power	14 - 18 AWG (as required)
LEDs	18 AWG
Functional Switches	18 AWG
Audible Appliance	18 AWG
Power Supply Supervised Initiating Circuit	14 - 18 AWG
Relays	18 AWG

## ORDERING INFORMATION

Part Number	Description	Weight
76-200004-032	ATM-L Annunciator Driver Module, 32 independently programmable LED drivers	2.0 lb.
76-200005-032	ATM-R Relay Driver Module, 32 independently programmable relay drivers	2.0 lb.

### EXPORT INFORMATION (USA)

Jurisdiction: EAR  
Classification: EAR99

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