

HAMPSHIRE



CONTROLS

*"Safeguarding
Your Precious
Biological
Materials"*



ADM-215 Remote Alarm Delay Module

PRODUCT DESCRIPTION:

Eliminate nuisance and transient condition alarms with the ADM-215 Remote Alarm Delay Module. The ADM-215 allows a technician to set a time that must elapse, with the alarm condition continuously present, before the alarm signal is relayed to a central monitoring system or dialer. By selecting the optimum alarm delay, transitory fluctuations in power, temperature (for example, due to loading or unloading a ULT freezer), and other monitored parameters are filtered out and nuisance alarms are eliminated.

The ADM-215 Remote Alarm Delay Module is compatible with Hampshire Controls' T° Sentry Model 140 Temperature Monitor/Alarms, MPS Monitor/Alarms, LD-215 Liquid Nitrogen Level Detector/Alarm, and CA5000-C Liquid CO₂ and CA5000-N Liquid Nitrogen ULT Freezer Backup Systems. Connect the relay outputs from these systems to the ADM-215 to eliminate nuisance and transient condition alarms.

The ADM-215 Remote Alarm Delay Module serves as a valuable interface between equipment with relay output and building or laboratory supervisory systems. Because it accepts either normally open (NO) or normally closed (NC) dry contact inputs, the ADM-215 is compatible with virtually any alarm system. The ADM-215 is shipped with a plug-in power supply and 2 rechargeable AA backup batteries.

**Custom programming
and packaging can be
provided to satisfy any
alarm condition
monitoring application.**



FEATURES:

- User programmable alarm delay and alarm mute periods
- Compatible with Hampshire Controls' monitors and freezer backup systems
- Accepts normally open (NO) or normally closed (NC) dry contact input
- Provides selectable NO or NC SPDT relay output
- Audio and visual alarm condition alerts
- Battery backup (2 rechargeable AA batteries included)
- Toolless spring-loaded connectors

AVAILABLE OPTIONS:

- User selectable alarm delay periods: 0, ½, 1, 5, 10, or 30 minutes
- User selectable audible alarm mute periods: 5, 10, 15, 20, 30 or 60 minutes OR fully disable audible alarm
- Normally open (NO) or normally closed (NC) dry contact inputs
- Single Form C (SPDT) relay contact output, normally open (NO) or normally closed (NC)
- Optional mounting bracket

PO Box 516, Dover, NH 03821
U.S. Toll Free (866) 496-9424
Tel: (603) 749-9424
Fax (603) 749-9433
E-mail: sales@hampshirecontrols.com
www.hampshirecontrols.com



ADM-215 Remote Alarm Delay Module

Remote Alarm Delay Module			
Input Contact Sampling Interval		~4 seconds	
Alarm	Frequency	Amplitude	User-adjustable initial alarm delay period
Audio	~3.6 kHz	90 dB at 10 cm	Programmable: enable/disable Selectable Alarm Mute Periods : 5, 10, 15, 20, 30 or 60 minutes Output Relay and LED remain in alarm state during Alarm Mute Period
ALARM LED	~1 Hz flashing red LED		

TIMING LED	
No Alarm Condition on Input Contacts	Blinks GREEN every ~4 seconds (~0.25 Hz)
Alarm Condition on Input Contacts	Blinks YELLOW every ~4 seconds (~0.25 Hz) including during Alarm Delay Period

Output Relay		
Selectable Alarm Delay Periods	0, ½, 1, 5, 10, or 30 minutes	
SPDT Relay	Form C – user selectable normally open (NO) or normally closed (NC). Relay thrown after Alarm Delay Period upon encountering alarm condition on input contacts.	
SPDT Relay Electrical	DC	AC
UL Rated Load	1 A @ 30 VDC	0.5A @ 125 VAC
Maximum Switched Power	30 W	62.5 VA
Maximum Switched Voltage	220 VDC	250 VAC
Maximum Switched/Carry Current	1 A switched, 2 A carry	



ADM-215 Remote Alarm Delay Connections

Battery Backup	
2 ea. AA Rechargeable	1.2 V NiMH, 2500 mAh, 30 mA built-in trickle charger, ~12-hour life

	Load	Supply
Power Requirements	12 Vdc, 600 mA max	100-240 VAC, 50/60 Hz, 0.35 A max, 2-prong US, UL listed

Mechanical & Environmental	
Mounting Options	Standard: Adhesive VELCRO® mounting strips (included) Optional: Mounting bracket (order with P/N 56027)
Dimensions, WxHxD	2.75 x 5.5 x 1.1 in. (70 x 140 x 28 mm)
Weight	0.43 lbs. (194 g)
Case	Black ABS
Operating Temperature Range	-18 to 55 °C (0 to 130 °F)

One-year warranty on all Hampshire Controls products.

About Us: Established in 1975, Hampshire Controls provides standard and custom-designed electronics to the biomedical and industrial markets. In addition to the **ADM-215 Remote Alarm Delay Module**, our product portfolio includes:

- **MPS Multi-Probe Monitor/Alarms**
- **TT-150/200** temperature & humidity Wi-Fi transmitters
- **LD-215 Liquid Nitrogen Level Detector/Alarms**
- **Air Flow Monitors** (50 to 2500 FPM)
- **STEDIVOLT SV2005 Line Voltage Controls**
- Customized OEM electronics design and manufacturing
- **T° Sentry ALERT Monitoring System** data logging
- **CO₂, LN₂ CA5000 Freezer Backup Systems**
- **TC-25 & TC-25+ TEMPCHECK Rapid Response Thermometers**
- **T° Sentry Model 140** single probe temperature monitor/alarms
- Customized monitoring, alarm notification, and logging

