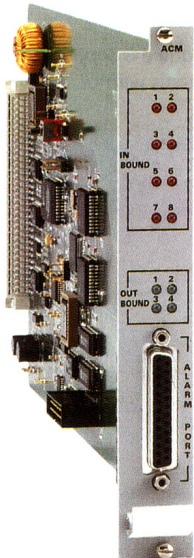


Megaplex-2100/2104 Modules

ACM

Alarm and Diagnostics Module



Four outbound relays and eight inbound sensors

- Alarm relay and diagnostics capabilities of Megaplex-2100/2104
- Eight inbound relays indicating external events to the user via the management system
- Four outbound relays triggered by any user-selected Megaplex alarm
- Outbound relays for routing Megaplex alarms to outside indicators such as buzzers and bells

The ACM alarm and diagnostics module for the Megaplex-2100/2104 features four outbound relays and eight inbound sensors.

The eight inbound ports with sensors, which enable reporting alarms external to the Megaplex unit, as well as environmental conditions in remote locations, to a central management station. The inbound ports of the ACM module can be connected to relay contacts, environmental sensors, etc.

The ACM module is configured by the user to “interpret” the state of each input, and report these events to the CL module of Megaplex-2100/2104. For each event, the CL module sends the corresponding alarm message or SNMP trap, to the supervision terminal or network management station. Each event can be associated with a user-selected message of up to 35 characters that describes the situation, or prompts the remote user to take a prescribed action (see *Figure 1*).

ACM also provides four outbound ports equipped with relay contacts. The relays enable reporting internal system alarms to outside indicators such as lights, buzzers, bells etc. Alternately, the relays can be used to control external devices or applications such as fans, dialers, etc. (see *Figure 1*).

In addition, the ACM module can also provide +12 or -12 VDC to power low-consumption external indicators/devices that are connected to it, so that an external power supply is not needed.

All configuration and commands are performed via the Megaplex management system. This includes control of single error injections, as well as the clearing of the error counter and the sync loss period.



ACM

Alarm and Diagnostics Module

Specifications

Number of Ports

Inbound: 8
Outbound: 4

Maximum Input Voltage Range

±30 VDC

Outbound Relay Characteristics

Maximum voltage across open contacts:
24 VDC
Maximum current through closed contacts:
1.25A

General Purpose Voltage Outputs

+12 VDC (±5%) and -12 VDC (±5%), limited
by 300Ω series resistors

Connector

Single female DB25 connector
(supports all outbound ports, inbound
ports, and +/- 12 VDC supply output)

Indicators

8 Inbound LEDs (red) to indicate activation
of inbound event received by that port
(user-set to indicate low/high activity)
4 Outbound LEDs (green) to indicate alarm
being routed to that port

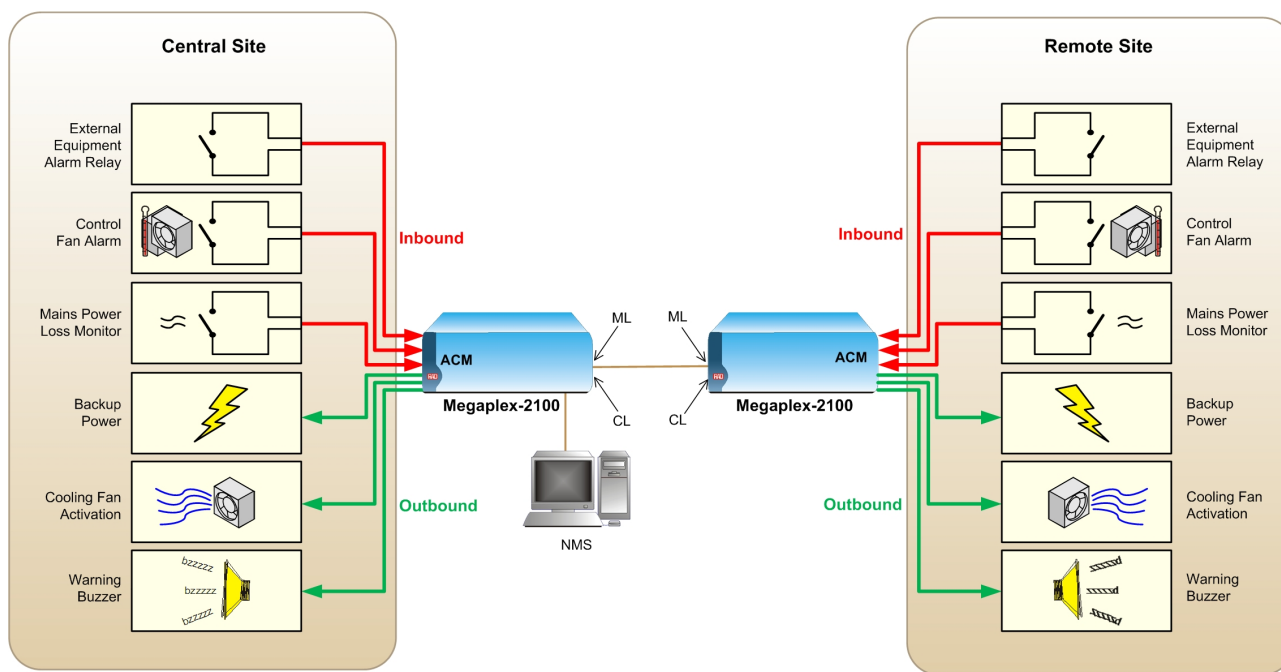


Figure 1. Inbound/Outbound Ports for External Alarm Monitoring and Control at Central and Remote Sites

International Headquarters
24 Raoul Wallenberg Street
Tel Aviv 69719, Israel
Tel. 972-3-6458181
Fax 972-3-6498250, 6474436
E-mail market@rad.com

North America Headquarters
900 Corporate Drive
Mahwah, NJ 07430, USA
Tel. 201-5291100
Toll free 1-800-4447234
Fax 201-5295777
E-mail market@radusa.com

www.rad.com



data communications
The Access Company

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Configuration

Programmable via Megaplex management system

Ordering

MP-2100M-ACM