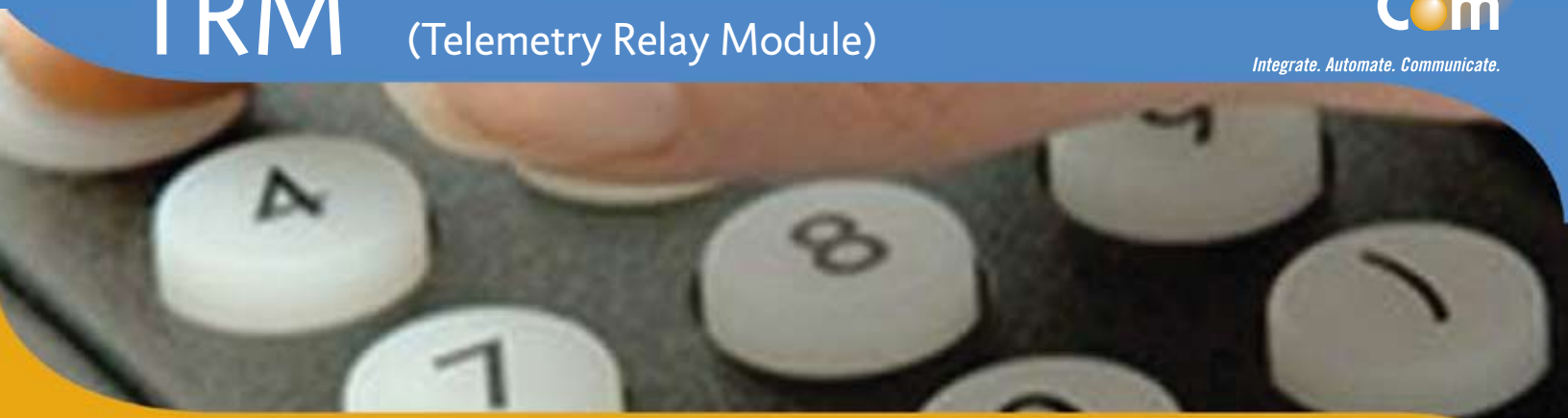
TRM (Telemetry Relay Module)

AmCom
Integrate. Automate. Communicate.



Real-Time Communications and Connectivity
When Every Second Counts

- » Integrated Messaging to Wireless LED Signs
- » "Watchdog" Application to Ensure System Uptime
- » Advanced Wireless Call Point Functionality
- » Remote Control of Machines via Over-the-Air Commands
- » Intuitive Graphical User Interface for System Administrators

Enhanced Wireless Communications and Connectivity

The Fusion Series Telemetry Relay Module is a multi-purpose paging receiver capable of outputting messages via its serial port as well as controlling almost any device via its 8 inbuilt relays. It can be used for remote control or telemetry purposes. The unit uses an advanced receiver board that allows it to work in the frequency bands 135MHz-175MHz, 278-286MHz, 448-468MHz, and 929Mhz-932Mhz Synthesized. The obvious advantage to such a system is that there is no limit to the number of TRM units that can be added to the system. It also means expensive cable runs need not be installed as everything is enabled over the air.

Previously, RS232/RS485 cables had to be run between paging systems for controlling LED signs. With the TRM, LED signs can be placed anywhere within coverage of the paging system for reliable display of scrolling messages.

Advanced Wireless Call Point Functionality

Handheld wireless call point transmitters can send real-time messages to the Fusion TRM product. Subsequently, data output from its RS232 serial port can be integrated to both Commtech system platforms, Commtech Messenger as well as the Fusion Series. The advantage of integrating messages with the TRM via either Commtech system platforms means you can take advantage of their advanced feature sets, such as group messaging, escalations, reporting and more.

Ensure Communication System Uptime

With the ability to interface seamlessly with both Commtech Messenger or the Fusion Series System platforms, functionality can be enabled to confirm that the transmitter is operating correctly. The system can send out a heartbeat message at specific intervals to the Intelpage transmitter on a special capcode unused by the pagers. The TRM unit picks up this special message and forwards it to a spare RS232 serial port on the Commtech Messenger server or the Fusion EMM or IAM. From there it is received back into system again.. In the event the heartbeat message is not received in the appropriate time, the system can notify maintenance personnel via other means of communication (such as email LED displays, wireless telephones, SMS) that there may be a problem.

Wireless Remote Control Using Relays

The TRM has eight onboard relays which can be used to remotely control almost anything including motors, lights, solenoids or switches. Using the TRM, the Commtech Messenger and/or fusion systems would be able to turn the light towers on or off simply by sending commands over-the-air to the appropriate TRM. Using Commtech Messengers' advanced "reminder" and "scheduling" functionality, the system is ideal to turn lights on or off at a specific time or day.

To learn more about CommtechWireless products and solutions, visit www.amcomsoftware.com or call 800.852.8935 to speak to our experts about a communications solution for your facility.

CommtechWireless
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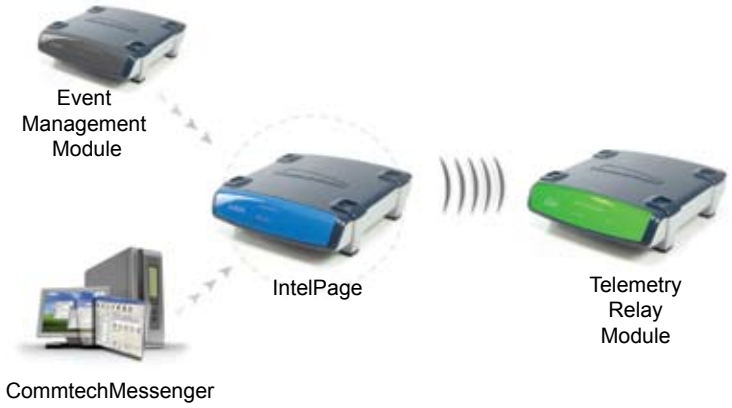
TRM (Telemetry Relay Module)

Technical Specifications

Telemetry Relay Module	
Equipment Type	Pager receiver with RS232 and 8 Relay outputs
Power Supply	12VDC@2Amps regulated
External LED Indicators	Power, Activity, RS232 TX, Relay Activity
External Antenna	BNC Female 50ohm
Dimensions	Desktop/Wallmount Version 255 x 230 x 70 mm / 10 x 8 x 2.7 inches
Weight	Plastic - 700g / 1.5 lb
Operating Temperature	0 °C to 50 °C (20-90% RH Non-Condensing)
Storage Temperature	-10 °C - 60 °C (14 °F - 140 °F) (10-95% RH Non-Condensing)
Frequency Range	135MHz - 175MHz, 278 - 286MHz, 448 - 468MHz, 929MHz Synthesized
Approvals	FCC, CE, C-tick, ROHS



CommtechWireless
A DIVISION OF AMCOM SOFTWARE
www.amcomsoftware.com
800.852.8935

Asia Pacific
PO Box 1037
OPDC 6916
PERTH, Western Australia
Phone: +61 8 6240 0000
Fax: +61 8 6240 0001

United States
8301 Cypress Plaza Drive, Suite 105
JACKSONVILLE, FL
32256-4416
Phone: +1 904 281 0073
Fax: +1 904 281 0074

Europe Office
Ladegaardsvej 2
DK-7100 Vejle
DENMARK
Phone: +45 70 27 87 10
Fax: +45 70 27 87 19