An alarmreciever developed and adjusted with focus on the nordic market of alarmtransmitters and centrals

Now there is an alarmreceiver developed in Sweden for nearly all standardprotocols used by the various alarmtransmitters and alarmcentrals on the market. The incoming alarms are exported by a serial interface to a PC for interpretation to plain language of the incoming events.

Up to eight linecards can work simultaneously with up to four protocols on each line, offering a complete receiver for an alarmcentral of any size.

Flexible alarmreception

RSM-02 is an automatic alarmreceiver connected to the public telephonenet. It is developed to maximize the security in alarmtransmission and presents the incoming alarms in the display (no indication when PC is connected), via a serial-port connected to a PC, and with possibility to use a logprinter as a complement.

A RSM-02-system (rack) is made up of a mastercard and up to eight linecards (slaves). The mastercard takes care of the communication with all of the linecards and distribute the received alarmcodes via the serial telegram to a PC for further management and intrerpretation.

Every linecard is based on the same hardware/firmware so each card is able to combine protocols as desired. This gives the receiver several advantages; it is easy to replace a linecard (the mastercard 'remembers' the configuration of a linecard, which enables so called 'hot swap' and automatic reconfiguration) if a linecard stops working caused by for example lightning, voltagepeaks or similar. It is also possible to optimize the use of the receiver with a minimum number of recievercards, by combining different protocols on each linecard (max 4 protocols per line, recommended max 3).

There is also support for alarms with speechconnection (e.g. P100 Speech, Antenna/CPC, L400, ...). These requires an extra speechmodule attached to the linecard used to establish a speechconnection.

All configuration is made on the connected displayunit. Logpinter could be connected for continuos printing.

Use of callerID for extra security

In addition to handling practically every protocol available on the market today (e.g. SIA, ContactID, Robofon, P100, La100, a.s.o) every linecard is equipped with a callerID-functionality. You could even choose to only receive and present callerID-events on selected linecards. With a PC-program which manages callerID, frequent functionalitytests could be made with no cost for the establishment of a phone "conversation".

This function also enables alarmcentrals to verify if the alarmcode is transmitted from a proper sender before a measure is taken. There is also a better chans to discover if a specific transmitter doesn't work properly and minimize unauthorized and misdirected calls.

Suitable for a wide variety of use

The receiver is suitable for alarmcentrals, municipalities, operational responsibles or installers whom wish to have a receiverservice for their own installations.

RSM-02 solves in a secure and economically attractive way just about any receiversituation.

System overview

Protocols	Receiving protocols could be combined as desired on each linecard (with a reservation made for problems with mixed start/acknowledge-signals or timeout-trouble in the alarmtransmitter). Some protocols might also have slight differences in their "dialect". For a test of what the receiver supports, please contact your retailer for further information.

ROBOFON	P100	CONTACTID
SIA	LA100	FUTURA
FRANKLIN	ANTENNA/CPC	ERICSSON ALERT
L400 2-3 TRYGG	L400	ADEMCO SLOW
ELECTROLUX	SCANCOM FAST	CALLER ID

Configuration	All configuration of the receiver is made from the display unit mounted on the receiverunit.
Functionality	A normal way of communication: When an alarm is triggerd, the transmitter calls the receiver (RSM-02). When a connection is established, the receiver sends its startsignal to the transmitter, which begins to transmit the alarmcode. When a correct alarmcode is transmitted, the receiver sends back an acknowledge to the transmitter and transmission is completed and the connection is dropped, or if there are more alarms in queue, a new transmission could be transmitted. Received alarms are normally presented on a PC and/or a logprinter*, but if a PC is missing (or not working), presentation will occur on the mounted display. When an alarm is presented you can read out date, time, callerid (if included), protocol and what unit that received the alarm.
Special functions	There are a number of different functions built into the receiver to facilitate the management and make the system secure. The receiver is able to automatically adjust the time with given intervals (either from the PC, or via a modempool if no PC is connected, or the timeset-telegram has no support in the PC). The connection to the PC is regularly tested by specific telegrams. Specific systemfailurecodes are reported if any errors will occur or if communication is lost.

* Logprinter requires extra hardware

Technical data

Communication	RS232 (PC) RS232 (logprinter*) RS485 (displayunit)
Power supply	12 VDC +/- 3V
Current consumption	ca 145 mA at rest / 200 mA max (normal operation) mastercard ca 40 mA at rest / 60 max (normal operation) extra per linecard
Dimensions	The receiver is mounted into a 19" rack-system (also available as a standalonereceiver in a sheet metal case)

* Logprinter requires extra hardware

Extra supplies

Serialport card	For connection of a logprinter to the receiver
Speechmodule	For enabling management of alarms with speechconnection. One module per line used for activating speechconnections is required

For more information, please contact your retailer: