

# REPORTER Series

## Message Centers

### Features

- Parallel or serial message request
- Serial interface with automatic baud-rate detection
- Easy Setup programming using PC software "report"
- Embedded data
- Prioritized messages and message queue
- Alarm output
- DIN standard bezel (144x72 mm), NEMA 4/IP65

### Applications

Reporter message displays inform the operator about the current machine status during operation and failure. Useful applications include: displaying failure descriptions, failure clearance advice, process information and process data.

### Description

"Reporter" Message Centers either work as a PLC peripheral or as individual message display centers in applications without a PLC. They are available as slave-versions to display ASCII-characters (reporter 670), transmitted from a PLC, a host computer etc. or as nonvolatile memory versions (reporter 680 and 690) capable of storing messages, that can be called up and displayed via serial or parallel interface. Variables can be embedded (temperature, pressure) in messages, too (reporter 690 only).

### Reporter 670

The reporter 670 operates as a slave-display. It displays full alphanumeric information via a serial port. Information received may be messages from a master display (680 or 690 series), a computer, a PLC or information from other KEP products with serial interface.

### Reporter 680

The reporter 680 is the standard version for price sensitive applications. Up to 100 messages can be programmed using the PC based set up software package. Each message may contain additional parameters such as energizing a built in alarm output, character blinking, message scrolling or programming a specific display time. A chained message parameter may be attributed to each message, allowing to link a message with other messages. The 680 may also serve as a master controller for slave units (670), allowing programmed messages in the 680 to be displayed in remote locations.

An important feature is the additional message queue memory that holds up to 16 consecutively requested messages in a batch memory.

### Reporter 690

Based on the 680 version, this unit offers more features for extended applications. The 690 can retrieve process data, and embed it into the body of a message. This ensures up to date process information.

Messages can be assigned priorities, which determine, in conjunction with two additional selectable display priority principles (first in/first out or last in/first out), the order in which queued messages will be displayed.

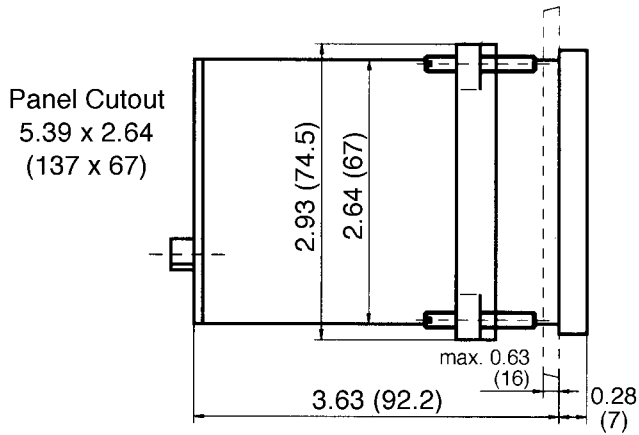
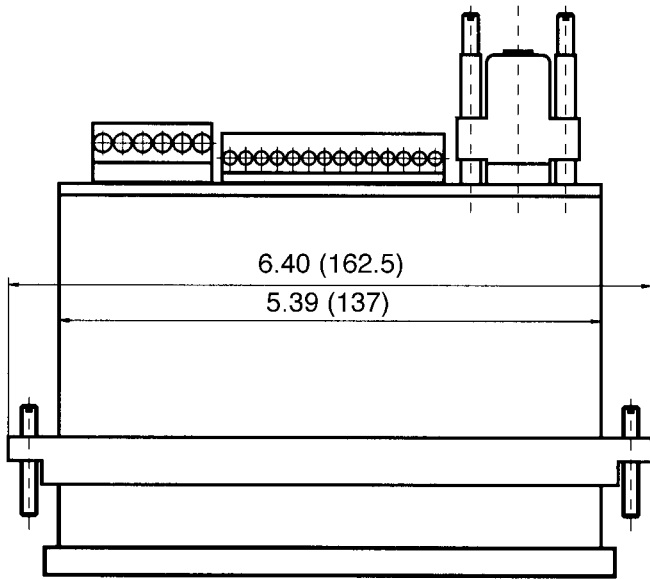
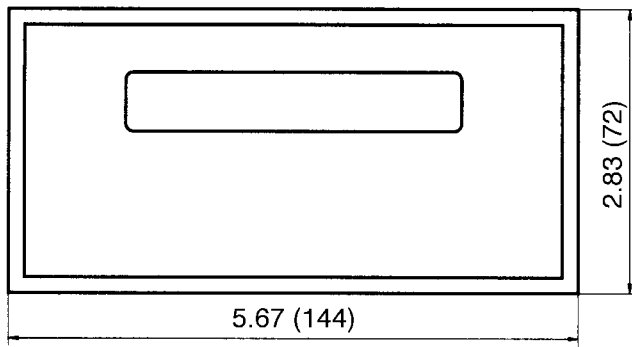


### Specifications

Order Number	R670	R680	R690
<b>Display</b>	2x20 Char. LCD	2x20 Char. LCD	2x20 Char. LCD
<b>Character Size</b>	0.23" (5.5mm)	0.23" (5.5mm)	0.23" (5.5mm)
<b>Memory</b>	n/a	EEPROM	EEPROM
<b>Max. Messages</b>	n/a	100 messages	100 messages
<b>Max. Message</b>	n/a	16 messages	16 messages
<b>Queue memory embedded data</b>	n/a	n/a	max. 99 variables, 8 char. each
<b>Message &amp; Set Up Programming</b>	no initial setup required (default setting may be modified using "reporter" software	"reporter" setup software required on PC via RS232	"reporter" setup software required on PC via RS232
<b>Message Request</b> Options 1 (RS422) & 2 (RS485)	via RS232 (RS422 or RS485 opt.)	8 parallel binary or BCD or via RS232 (RS422 or RS485 opt.)	8 parallel binary or BCD or via RS232 (RS422 or RS485 opt.)
<b>Message Display</b>	•text positioning in both lines •absolute cursor positioning •erase display •monitor mode	* direct message • cycle message queue • first in/first out message queue	• direct message • cycle message queue • first in/first out message queue • last in/first out message queue
<b>Push-Button</b>	n/a	n/a	1 user programmable push-button
<b>Alarm Output</b> R Option \$25.00	n/a	1 opto-isolated (relay optional)	1 opto-isolated (relay optional)
<b>Power Supply</b>	11-30 VDC 200 mA max.	11-30 VDC 200 mA max.	11-30 VDC 200 mA max.
<b>Storage Temperature</b>	-4° to 158° F (-20° to 70° C)	-4° to 158° F (-20° to 70° C)	-4° to 158° F (-20° to 70° C)
<b>Operating Temperature</b>	32° to 125° F (0° to 50° C)	32° to 125° F (0° to 50° C)	32° to 125° F (0° to 50° C)
<b>Dimensions (W x H x D)</b>	5.67" x 2.84" x 3.55" (DIN 144 x 72 x 90 mm)		
<b>Environmental</b>	NEMA4 / IP65	NEMA4 / IP65	NEMA4 / IP65

SLAVE DISPLAYS

Dimensions:



Dimensions are in inches (mm)

## HOW TO ORDER

### REP670

**EXAMPLE:** REP.670.012.3 05

Series \_\_\_\_\_  
REPORTER 670

Output \_\_\_\_\_  
05 = RS-232  
06 = RS-422  
07 = RS-485

### REP680

**EXAMPLE:** REP.680.01 0.3 05

Series \_\_\_\_\_  
REPORTER 680

Output \_\_\_\_\_  
0.3 = Relay  
1.3 = Opto-coupler

Output \_\_\_\_\_  
05 = RS-232  
06 = RS-422  
07 = RS-485

### REP690

**EXAMPLE:** REP.690.01 0.3 05

Series \_\_\_\_\_  
REPORTER 690

Output \_\_\_\_\_  
0.3 = Relay  
1.3 = Opto-coupler

Output \_\_\_\_\_  
05 = RS-232  
06 = RS-422  
07 = RS-485