

Highlights

- Counts pulses on 8 inputs
- Monitors 8 voltage-free digital inputs (expandable to 24)
- Counts pulses on 8 inputs (active monitor)
- Built in GSM (mobile phone) modem for transmitting data and alarms
- Primary power either 115/230 VAC with rechargeable lead acid battery
- Routine cold start message to enabled mobile phone(s) to confirm readiness
- Fully re-programmable text for Site Name (up to 32 characters in length)
- Fully re-programmable text (up to 32 characters in length) per input. 16x messages
- Fully re-programmable text for Power Supply Status (up to 32 characters in length). 2x messages
- Fully re-programmable text for Battery Supply Status (up to 32 characters in length). 2x messages
- Text for Regulator Status. 2x messages
- Up to 3 mobile telephone numbers can be configured to receive messages
- Alarms can be configured for resending up to 6 times, at programmable intervals (15, 30 or 60 minutes)
- 4 expansion ports for additional (customized) I/O cards
- Dual colored LEDs for Activity Indications
- Test Button
- AC powered with rechargeable lead acid battery
- Wall mount polycarbonate enclosure IP66, fitted with vent to IPX4
- Local Diagnostic/Configuration Port
- Remotely Programmable over GSM (not available when used in conjunction with Data enabled SIM card)



F62-SMS Messenger
Inside View



The **CXR-Anderson Jacobson F62-SMS Messenger™** is a "Text Messenger System" designed specifically as a low cost method of monitoring remote/unmanned sites, processing plants and equipment. Communication is through cellular using GSM mobile phone technology. Immediate notification of an event or alarm occurrence is forwarded to as many as three mobile phone users through simple SMS Text Messages.

Application

The text messages are pre-programmed using the Text Messenger programming utility on a PC. The Text Messenger can operate using Pre-pay SIM cards, avoiding costly monthly rental charges.



The **GSM-Text Messenger** can be equipped with either Standard or Customer Specific firmware code.

Anderson Jacobson F62-SMS Messenger

Specifications

COMMUNICATIONS

- Standard Modem GSM 900/1800 (dual band) integrated modem. Requires a data enabled SIM card. Optional 900/1900 dual band
- Antenna On board stub antenna. Can be replaced by external antenna and lead

INPUTS

- Inputs can be wired as either:
 - 24 direct connections
- Type Normally Open/Closed (NO/NC) is software selectable
Programmable Activity Monitor is software selectable
Programmable Latching Input (NO/NC) is software selectable, reset programming in 1 - 255 seconds
- Minimum time to detect input operation 20 ms (debounce)
- Directly connected inputs Non-isolated, switched to zero volts.
- Input terminals High Density Connector. Maximum conductor size 24 awg. Two part screw terminal connectors wire size .006-.06 in² (0.14-1.5mm²)
- On board Events Log 100 (expandable if required)
- On board Comms Log 100 (expandable if required)

MESSAGES

- Digital Inputs 16 programmable Messages up to 32 characters each, expandable to 48 Messages
- AC Monitoring 2 programmable Messages up to 32 characters each
- Float Charged battery 2 programmable Messages up to 32 each
- Cold Start 1 programmable Message up to 32 characters each
- Site Name 1 programmable Text String up to 32 characters each

POWER SUPPLY

- External Supply 115/230 VAC, switchable selectable, 1A fused nominal power 100m Watts
- Battery specification 2.5Ah, 4V, Double 'D' "Cyclon" sealed lead acid
- Current Consumption Quiescent: 1 micro Amps (nominal)
TX/RX: 200mA to 600mA at 4 VDC.
Max. charge 800mA. Current limited by mains PTC and DC regulator

ENCLOSURE

- Rating IP68 with vent to IPX4
- Material Non Flammable Polycarbonate, color RAL 7035 (light grey)
- Dimensions 7.16 in x 7.08 in x 3.55 in (H x W x D)
- Mounting .16 in (4) x M4 (.20 in [5mm] diameter) wall mounting holes. Holes located outside watertight seal. Holes at 4.53 in (115mm) vertical & horizontal centers

GENERAL

- Approx. Weight 2.20 lbs. including modem and stub antenna
- Temperature -4° F to 131° F (- 20° C to +55° C)
[GSM Modem]
-49° F to 140° F (-45° C to +60° C)
[Messenger unit]
- Retry Algorithm (in case of failed calls/busy Host) 10 retries at approximately 1 minute intervals, per mobile
- Remote Programming "Data Enabled" GSM SIM Card must be installed

Features	Models				
	F62 Messenger	F62 Messenger	F62-GPS Messenger	F62-SMS Messenger	F63-PSTN Messenger
Digital Inputs x 8		✓		✓	
Digital Inputs x 12	✓		✓		✓
Meter Pulse Counting Inputs x 8		✓		✓	
Expansion to 24 Inputs	✓	✓	✓	✓	✓
External AC or DC Power inputs		✓		✓	
Battery Backup (lead acid)		✓		✓	
Self Powered (through Lithium battery)	✓		✓		✓
Reports to Host software (see separate datasheet)	✓	✓	✓		✓
Sends SMS alarms directly to mobile phone(s)				✓	
GPS Receiver			✓		
Operates with Data enabled SIM card	✓	✓	✓	✓	
Operates with "Pay as you Go" SIM card				✓	
Operates with fixed PSTN landline					✓
Additional Expansion Ports		✓		✓	
Automatic AC/DC & Battery Power Monitoring		✓		✓	

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