

RG108

Explosion-Proof Telephone



The RG108 Explosion Proof Telephone provides safe and reliable communication in Class I Division 1 Areas.

Features

- oversized buttons for gloves-on operation
- copper-free cast aluminum housing
- temperature range -40°C to +60°C (-40°F to +140°F)
- heavy-duty industrial handset cord
- corrosion and moisture resistant circuitry
- intrinsically safe handset
- field replaceable hand set and fuse

Applications

This telephone is designed for use in locations with the highest hazardous area classifications such as:

- chemical plants
- refineries
- aerospace sites
- bulk loading stations
- mines
- drilling rigs
- munitions storage areas
- offshore platforms
- nuclear facilities

Installation and Connectability

To provide flexibility and potential for growth, these telephones are easily connected to Ring-Master RM5000 and CB901.

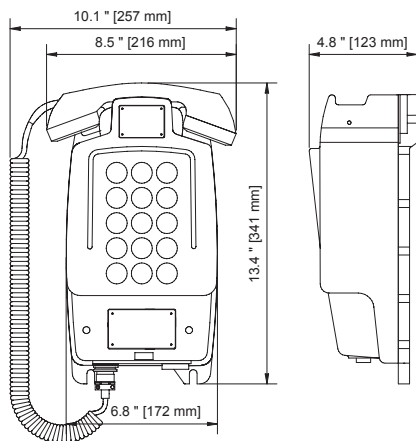
The HD937 interface is used for a single line telephone on RM5000 or CB901.

The TLC910 interface is used for connecting 8 telephones to the RM5000.

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Meeting safety standards may require use of special wiring conduits or other considerations. The phone can be factory set for either tone or pulse operation.

OVERALL DIMENSION DETAIL



ENGINEERING SPECIFICATIONS RG108 EXPLOSION PROOF TELEPHONE

ELECTRICAL PERFORMANCE

Audible range frequency response	300 - 3400 Hz
Dialing method	DTMF Tone or 40/60 Pulse at 10 PPS
Transmit Objective Loudness Rating (TOLR)	-38 +/- 3 dB
Receive Objective Loudness Rating (ROLR)	50 +/- 3 dB
Side Tone Objective Loudness Rating (SOLR)	20 +/- 4 dB
Ringer Equivalence Number -REN (with RDR**)	0.8A w/o RDR 0.9A c/w RDR
Flash	600 msec timed disconnect
Redial	maximum 13 digits
Set impedance	600 ohms nominal
Maximum loop	15 Kft (4.6 km)

ELECTRICAL REQUIREMENTS

Line voltage	25 - 56 VDC
Loop current	20 - 120 mA
Connection method	Sealed external wire
Fuse (externally accessible)	2AG fast acting 250 volt 0.25 amp

ENVIRONMENTAL

Temperature	-40° C to +60°C (-40°F to 140°F)
Humidity	0-95% RH
Dust Resistant	3/4" flat flange joints

MECHANICAL SPECIFICATIONS

Hook switch (magnetic) life	>1,000,000 operations
Body construction	cast copper free aluminum with hybrid powder coat finish
Dimensions	8.5 x 13.4 x 4.8 in [216 x 341 x 123 mm]
Net Weight - housing	17.5 lbs (8 kg)
Handset construction	high impact ABS
Handset cord	3m (10 ft) field replaceable low temperature polymer jacket
Handset cord (optional)	6m (20 ft) field replaceable low temperature polymer jacket
Microphone	dynamic
Standard mounting	vertical wall
Dial Pad	oversized alum. buttons on large grid

**RDR= Ring Detect Relay

Specifications and features are subject to change without notice.

APPROVALS

Industry Canada	10124339A
FCC	HQH2VK-65560-TE-E
CSA (Master Contact 158194)	LR65547
UL	13X8 & E117495
Hazardous Location Permissions	Class I, Division 1, Groups B, C&D Class I, Zone 1, Groups IIB + H2 Class II, Division 1, Groups E, F&G Class III
Weatherproof & watertight enclosure	CSA Type 4

Limited Warranty: One year parts and labor.

ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
P1011	Model RG108 Explosion Proof Telephone assembly with CE20 Explosion Proof Line-Powered Ringer
P4011	Model RG108 Explosion Proof Telephone*
P4021	Model RG108 Explosion Proof Telephone with internal RDR*
(*Note: telephone requires external signalling device)	

Although the handset on the Model RG108 is field replaceable, hazardous area equipment is not field serviceable. Please return to factory or authorized service depot for repairs.

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Rev: June/03