

Innovatec C&I Gas Meter Interface

Assembly Contents

Innovatec IMU Gas PCA and Reed Switch PCA – P/N's: 210-050001 and 217-050001
Three (3) "D"-Cell Lithium/Thionyl/Chloride Battery Pack (3.6V)
2-Wire 22AWG power connection cable assembly
3-Wire 22AWG reed switch pulse input cable assembly
Lexan polycarbonate mounting board
Lexan polycarbonate NEMA 4X enclosure
Lexan polycarbonate mounting tabs

System Details

The Innovatec C&I Gas Meter Interface is a derivative device of the Innovatec Gas IMU. The principal differences in the system are: 1) The unit receives an externally applied pulse input from the C&I gas meters; 2) The unit employs a 3 "D"-Cell battery pack to allow for improved battery life because this system is likely to be queried much more often than the standard gas IMU; and 3) The unit has been repackaged to allow for the significantly larger battery pack and the reed switch pulse pickup from the external source (enclosure dimensions are 6.7" L X 4.8" W X 2.2" H).

The IMU included in the assembly has the same specifications as the already certified unit. Some details of that specification include:

Output power:	>27dBm
Sensitivity:	> 40dBm SINAD
Channels:	17 (spaced at 1.5 MHz)
Frequency range:	902-928 MHz
Modulation:	Direct Sequence Spread Spectrum
Base Data Rate:	62.5 KB/second