

# CORRDATA<sup>®</sup> Systems

## Remote Communication and Power Options

### Features:

- **Great System Flexibility**
- **Intrinsically Safe Power Supply to Eliminate Batteries**
- **Solar Power or Line Power**
- **Remote Communications by Telephone or Cell Phone**
- **Operate multiple RDC's from a single Communications unit**



A wide range of options are available to further extend the flexibility of the CORRDATA<sup>®</sup> system, and provide for even more automated data collection. These options start from a simple safety barrier that may be used with a 24VDC supply for a permanent power supply to replace the normal battery operations, and extend to a full system that provides

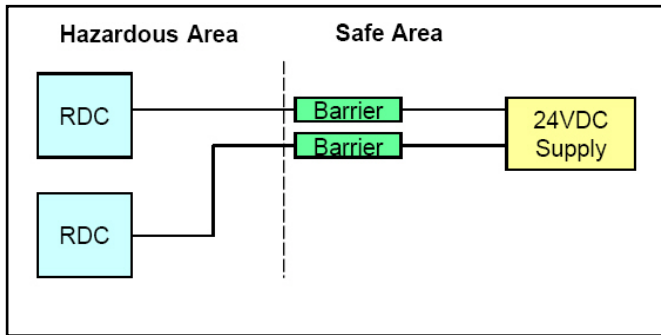
local Solar Power, Cell Phone Remote Communication for up to eight RDC's to a central computer running communications software and the Corrddata<sup>®</sup> Plus software.

In non-hazardous areas, an RDC may be powered with a simple 12VDC supply (9-15V actual). However, when the RDC is mounted in a hazardous area, the power module must be located in a safe area with the safety barrier protecting the supply to each RDC. This barrier is powered with a 24VDC supply. RCS can supply just the safety barrier (P/N 095778) to use with your existing 24VDC supply, or provide one or more barriers complete with a power supply to operate from 115VAC or 240 VAC. Complete power autonomy can be provided with the addition of solar power and back up batteries.



With the addition of the Remote Communication Option, data may be automatically transferred back to a central location via standard telephone line or Cell Phone. Up to eight RDC's may be used with one Communications Power Module (CPM) to provide economy and flexibility of installation options.

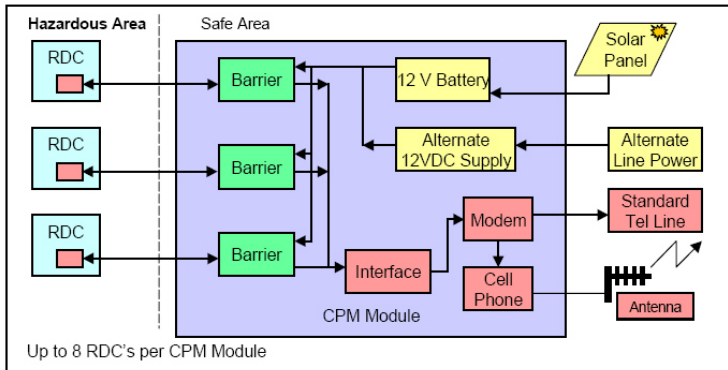
The CPM unit is mounted in a safe area and each RDC may be connected to the CPM through power and communication isolating safety barriers at the CPM unit with up to 2000 ft of cable. A standard telephone line or cell phone communication is used as appropriate for data transfer. With Solar Powered systems the RDC's are programmed to initiate communication for power saving. With line powered systems the RDC's may be called whenever required. At the receiving PC the data is retrieved with communications software and transferred into the Corrdata<sup>®</sup> Plus software



For locations where 24 VDC power is available, a barrier is available to permit remote powering of the RDC and still provide an intrinsic safety rating of EEx ia IIB T4 at 50C(Cert No Ex92C2436). The barriers may also be powered by a line powered 24VDC supply.

Safety Barrier only . . . . . P/N 095778

Power Supply 115 VAC and Barrier for N number of RDC's with CENELEC certification . . . . . CPM-2-0-2-N



The Communications Power Module (CPM) may be operated with Solar Power or Line Power.

Communications of the data may be made via a standard telephone line or via a cell phone and antenna.

Each of up to eight RDC's can be used per CPM Module with up to 2000 ft of cable to each. The Solar Panel can be up to 1000ft from the CPM.

**Ordering Information:**

Model CPM	Communications Power Module	
↓	<b>Code</b>	<b>Power Supply</b>
	1	Solar
	2	Line Power 115 VAC
	3	Line Power 240 VAC
↓	<b>Code</b>	<b>Communications Options</b>
	0	None
	1	Standard Telephone Line
↓	<b>Code</b>	<b>Intrinsic Safety Certifications</b>
	0	None
↓	<b>Code</b>	<b>Number of RDC Channels</b>
	1	UL/CSA (Approvals in Process 5/1/99)
↓	2	GENELEC/BASEEF A (Some approvals still in
	N	Specify N from 1 to 8 channels
CPM - 1 - 1 - 0 - 4	<b>Example</b>	



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