

Cyclo System International Radio Systems

Summary of Performance

Characteristic	CYCRFV	CYCRFU
Operating Band	184MHz	868MHz
Approval	UK MPT1601	Generic EU ETSI 300-220
Direction	1 or 2 way	1 or 2 way
Mode of operation	One Way: Transmit blind on time schedule. Two Way: Full duplex with link available on time schedule	Time schedule or long time period interrogate/ wakeup. One way continuous e.g. 4 seconds
Data Rate	up to 1200 bits/sec	up to 100k bits/sec
RF Bandwidth	3kHz	250KHz
Packet size	1024bits	Network: 1024bits Walk-by: 256bits
Coding	GOLAY CCITT CRC16	COMPLEX 3 of 6 + CRC16
TX EIRP	100mW (+20dBm)	10mW (+10dBm)
Path loss tolerance	145dB	115dB
Free space range	>10km	>500m
Urban range	>2km	>100m
Up-date rate	Fixed Network every 3 hours	Fixed Network: 10minutes Walk-by: 4 seconds
Battery Life on single LiOH AA	>5 years	> 5years
Interfaces at receiving point	Runs under Windows® XT operating system and COM software interface	RS232 serial or directly to Ethernet using TCP/IP UDP or FTP protocols
Interface at meter	Pulse counting or serial bus as required	Pulse counting or serial bus as required
Cost	Low	Lower