



Dialog3G™ Universal Unit

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The Dialog3G™ Universal unit enables external connection to a variety of meters types. Meters with a suitable electrical pulse output can easily be integrated into the Dialog3G™ metering management system.

The Dialog3G™ Universal unit is suited for different input connection types such as the "Single switch type", where up to four independent meters can be connected to one 3G Universal unit. Each input has its own reading/programming parameters. "Single input type" for PD meters with a 3 wire pulse output, or serial communication for individual multiphase electricity meters. Controlled I/O Universal unit for MagneLatch type Valves.



Technical Specifications

Description	Dialog 3G™ Universal unit	
Input Connection Type	Dry contact reed switch, Open collector transistor or optocoupler switch, 3 wires PD meter encoder	
Input Specification	Minimum Input pulse width – 100mSec (5Hz) Maximum Input cable length - 12 meters	
Box Size	105mm x 80mm x 40mm	
Weight	~ 380 grams	
Power Supply	3.6 Volts, Internal lithium battery	
Operational Life	10 years	
Sensitivity	-90dBm	
RF Receive Bitrate	DS mode: 41.156kbps WB / NB mode: 19.82kbps	
RF Transmit Bitrate	DS mode: 60.3625kbps WB / NB mode: 59.454kbps	
Frequencies	PSK-DS (US) 902 - 928MHz FSK-WB (US) 902 - 928MHz FSK-NB (IL) 868 MHz	
Transmission Modulation	Direct Sequence (DS), Wide Band (WB), Narrow Band (NB)	
Meter Interface Types	Clip on type: Non wired for central pointer. Single switch type: 1-4 dry contact pulse inputs. Controlled I/O Universal unit for MagneLatch type Valves.	
Wakeup	Periodic – internal timer	
Configuration Storage	Non-volatile memory	
Environment	IP-67	
Operating Temp.	operating : -10° C to 75° C storage : -20° C to 85° C	
Reading /Programming Parameters	ID No	8 character numeric
	Reading	9 digits, numeric, Identical to meter display
	Type	Meter type selection: Water Meter, Gas Meter, Gas Switcher, Gas Tank, Electric Meter, Other
	Factor	Programmable reading unit factor
	Battery	Low battery indication
	Leak	Leak detection indication and alarm
	Transmission	self activation
	Magnet beacon	For ID recover