



Smart for Greenlife!

Description

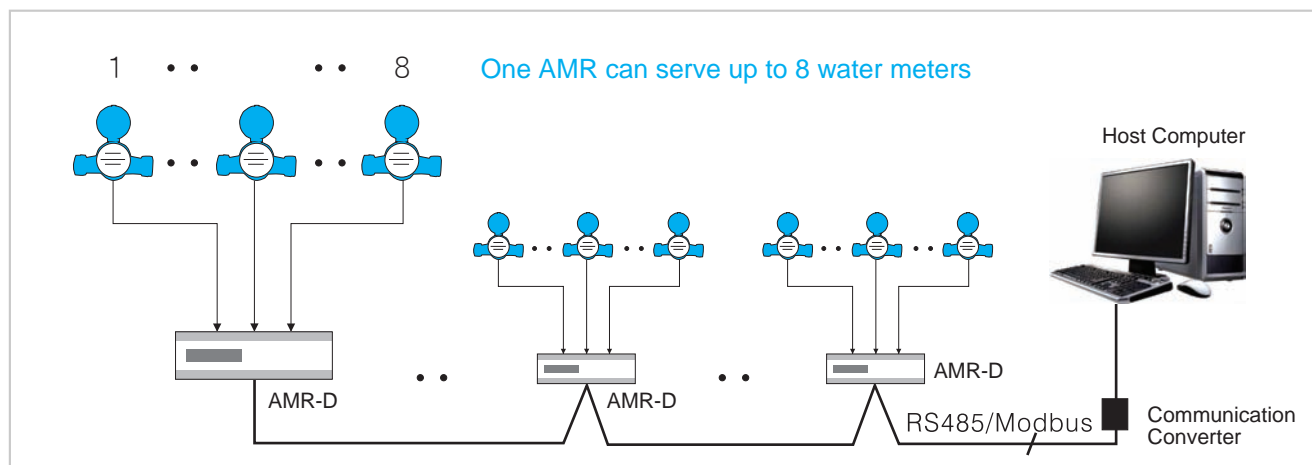
The AMR-D module, provides an on-board display for locally reading each water meter. It can also send this data to a central host through the Modbus/RTU protocol over an RS485 interface to form a remote auto meter reading system.

The AMR-D module has eight channels to connect with up to eight digital water meters, allowing the AMR-D to read the water meter data directly in digital form, guaranteeing that the readings are always in sync between the AMR-D and the water meters, so that data won't be lost or go out of sync due to a power interruption.

Features

- Eight water meter channels
- Connect water meters up to a distance of 164 feet (50 meters) using 18 to 24 AWG cable
- LED indicators for each channel to indicate water meter activity
- Host communication using industry standard Modbus/RTU over RS485
- On board LED display to show the accumulated meter readings
- Industry standard DIN rail mounting
- On board function key and display for easy setup of RS485 address and other baud rate
- RS485 activity LED indicators
- Non-volatile memory for storing setup configuration and cumulative readings, data won't be lost during a power interruption.
- Noise filtering feature prevents false signals from being interpreted as data
- Data always in synced between water meter and remote host

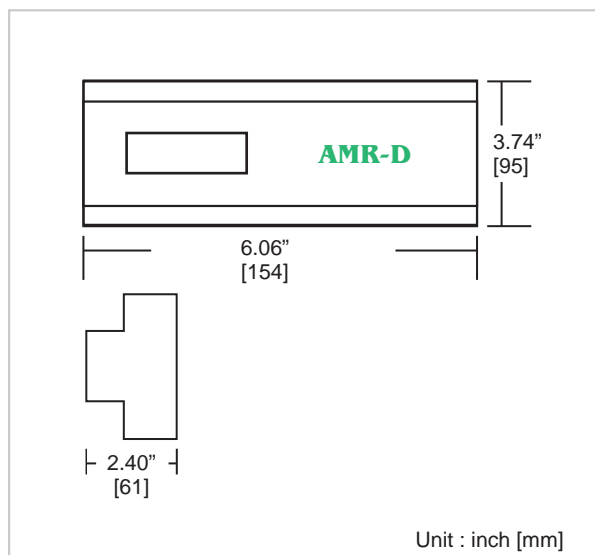
System Architecture



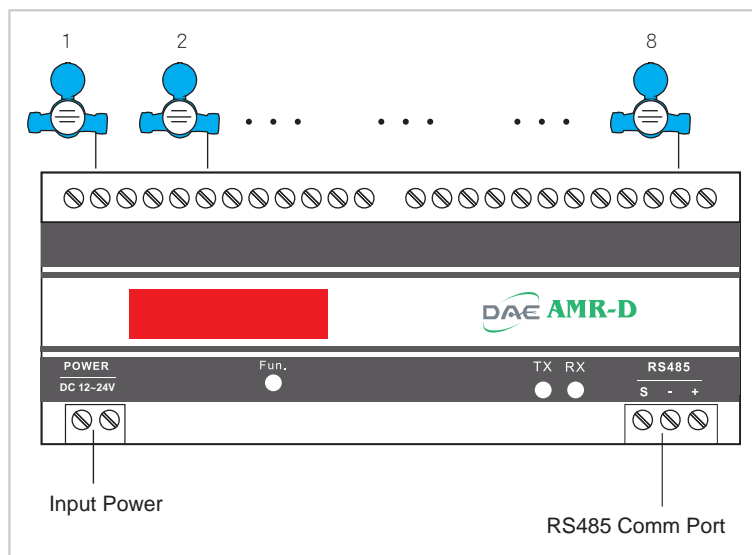
Specifications

Item	Description
Input Power	DC 12~24V
Display	6 digit 7 segment LED display
LED Indicators	RX/TX: RS485 activity indicators 1~8: Digital water meter activity indicators
Function Key	For setup use
Settable Parameters	Address : 0~254 Baud Rate: 1200, 2400, 4800, 9600 bps Decimal Places: 0, 0.0, 0.00, 0.000, 0.0000, 0.00000 Display Cycle: yes - automatically cycle display among all channels, no - display fixed on one channel
Communication with Host	Modbus/RTU protocol, RS485 interface
Channels	8 channels
Max Cable Length to Water Meter	164 feet (50 meters)
Power Consumption	2.4VA
Mounting	DIN rail mounting

Dimensions



Wiring Diagram



Ordering Code

Ordering Code	Description
AMR-D-DC	8 channel display and auto meter reading module for digital water meters