**Honeywell**

# S7810M
# ModBus ™ Module

Combustion Solutions
Burner & Boiler Control Europe

# S7810M

Honeywell is proud to introduce the new S7810M ModBus Module now CE approved for Europe. The ModBus Module allows for fast and easy communication between the SERIES 7800 controls and the new ContoLink System to PlantScape or any other system capable of ModBus communication.

## What does this mean to the industry?

- Now communication can be made easy and less expensive with this widely accepted (standard) Protocol. Up to 99 sub-networks can be supported with the S7810M. Each sub-network can support an EC/RM7800 control and an R7999 Control Link System.
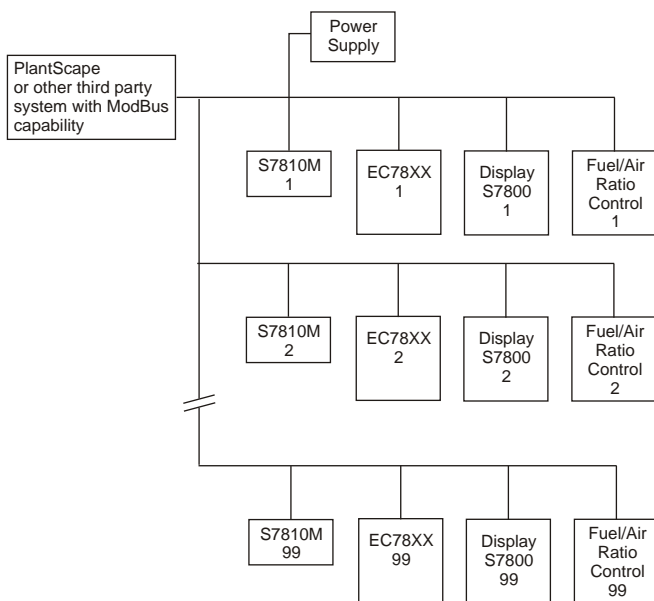
## What's ModBus?

- ModBus Communication is an industry standard used in many products such as PLCs, SCADA systems, Front End Stations, Terminal Servers, etc. ModBus protocol is preferred due to its ease in communication and implementation which makes it easily integrateable to other systems.

## Who benefits?

- With the S7810M, we focus on the industrial applications which have a third party interface with ModBus communication capability. The ideal applications are those with multiple burners, boilers, and ovens, which must remain on line.

## What will the network architecture look like ?



# Features:

- **Multi/dropped communications bus interface**
- **Remote control capabilities**
  - o **ON/OFF**
  - o **Drive to High Fire**
  - o **Drive to Low Fire**
- **Ability to remotely mount a Keyboard Display Module**

# Specifications:

**Model**
S7810M ModBus TM Module

**Electrical Ratings**
Voltage and Frequency:
  13 Vdc peak full/wave rectified (+20/-15%)
Power Dissipation:
  2 W maximum

**Terminal Ratings**
Power: 13 Vdc peak full/wave rectified
Earth ground
ControlBus$^{TM}$ (1,2,3) and Multi-Drop ModBus$^{TM}$ (6,7,8):
  5 Vdc at 60 mA maximum

**Electrical Connector (included)**
ControlBus$^{TM}$ : 208727 8-pin electrical connector

**Environmental Ratings**
Ambient Temperature
Operating: -40° C to +60° C
Storage:    -40° C to +66° C
Humidity:  85% relative humidity, continuous, noncondensing
Vibration:  0,5G envirement

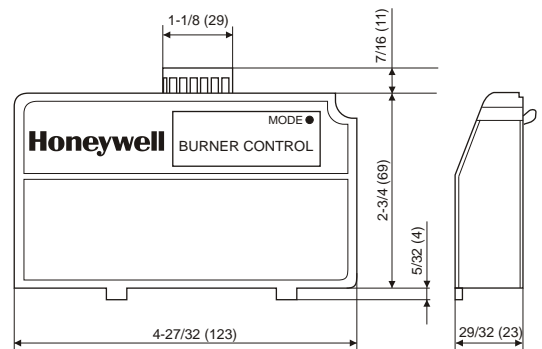**Dimensions:**
See Fig.1

**Weight**
113 grams

**Accessory**
208727 eight-pin connector

**Approvals**
CE approved

Fig.1

EN3C-0010SZ20 R0202