

2012

Installation Manual

4Z (4-Zone Dry Input Module)

V1.0



G4

Created By Sameh & Basem



Contents

- 1- Introduction (Installation) *Page2*
- 2- Multiple sensors in one zone *Page3*

Introduction:

The S-BUS G4 4Z Module is the bridge device between the S-BUS network and the Dry contact environment. Where it reads the information from any Dry-Contact device and by configuration and programming can act upon the readings.

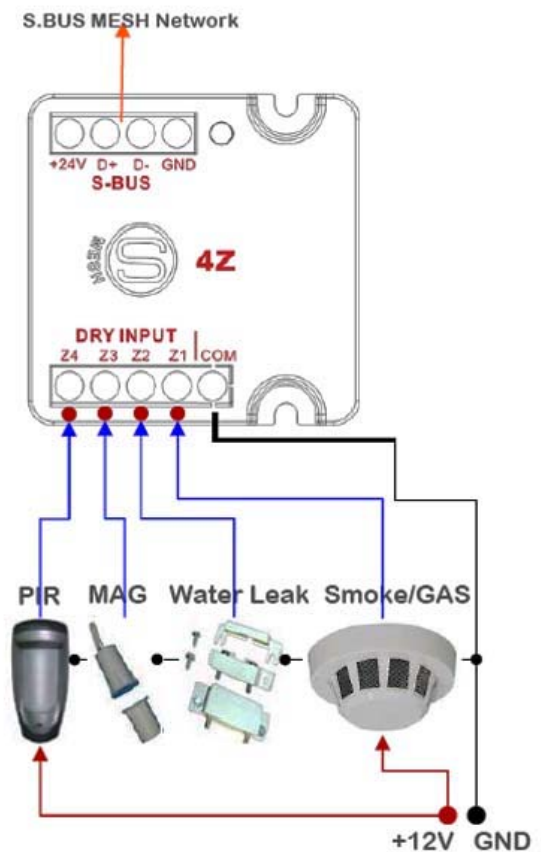
The 4Z module is installed to the S-BUS network like any other device.

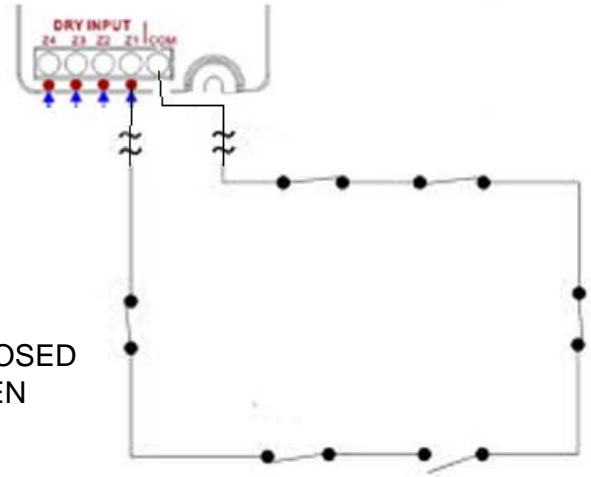


Various of sensors for many purposes in the market with the dry contact nature. They can be connected to the 4Z DRY INPUT ports as shown in the picture on the right.

Z1, Z2, Z3, Z4 are the zone ports where the sensors' first wire should be connected, and the second wire should be connected to the COM port which is common to all zones.

connection diagram





Connecting multiple sensors to one Zone:

The diagram on the right shows multiple Sensors connected in series to only one zone. Depending on the application required, by connecting the Sensors in series means that all the sensors have to be CLOSED In order for the 4Z to read it as CLOSED, and only one OPEN Would cause the reading to be OPEN.

Connecting in parallel means that if any of the sensors Went CLOSED the reading will be CLOSED while all Sensors have To OPEN in order for the reading to be OPEN.

Like the famous logic relations AND, OR where the In Series represent AND and in Parallel represent OR.