

BALOGH



WWW.BALOGHRFID.COM

BS-46/** Serial Control Board

RFID Control Interface

Industrial Product Range



Key For Tag Suffix

Suffix	Tag Series Description
X	OMX High Speed Industrial R/W Tag Series
E	GIE Industrial R/W Enhanced Speed Tag Series
A	OMA Industrial R/W Tag Series
F	OF Read-Only 7 Byte Industrial Tag Series
L	OLR Long Range 2 Byte Read-Only Industrial Tag
P	OP Light Industrial R/W Tag Series
FC	TAF High Speed R/W Light Industrial Tag Series
IC	TAI Light Industrial R/W Tag Series

Ordering Information

When assembling your part number, please include the corresponding tag suffix.

Example: BS-46/XX. - OMX High Speed Industrial R/W Tag Series. (Cables Sold Separately)

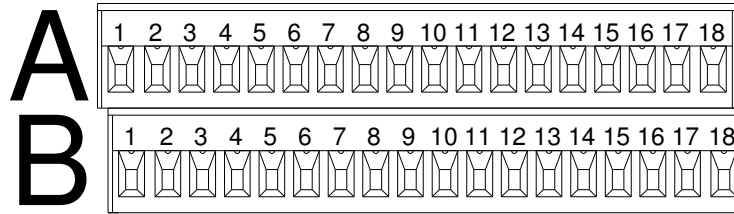
Characteristics

The BS-46 Serial Interface Unit controls communication between BALOGH'S electronic TAGS and Transceivers. The BS-46 Has one serial link, configurable to RS-422, RS-485, or RS-232. It has two transceiver channels that function independently and simultaneously of each other. DIP switches are used to configure Communication protocol, slave number, baud rate (up to 19200 baud), and parity (even or odd). The BS-46 has 3 Operating Modes (DA) Direct Access Mode (TAG Reading or Writing), (AR) Automatic Read Mode, and (CO) Controlled Operating Mode used to execute a stored command only if a parallel input or an internal bit is activated.

Features:

- LED Status Indications for TAG Presence, Transceiver/TAG Fault, Command Execution
- Controls up to (2) Transceivers

Installation Information/Cable Pin Outs



A1 - COMMON TERMINAL FOR INPUTS

A2 - INPUT 1 = DCY 11

A3 - INPUT 1 = DCY 12

A4 - INPUT 1 = DCY 13

A5 - INPUT 1 = DCY 14

A6 - INPUT 1 = DCY 21

A7 - INPUT 1 = DCY 22

A8 - INPUT 1 = DCY 23

A9 - INPUT 1 = DCY 24

A10 - + U VOLTAGE

A11 - + U POWER SUPPLY

A12 - UNUSED

A13 - T/R 2 + U POWER SUPPLY (BROWN-V)

A14 - T/R 2 INPUT (WHITE-S)

A15 - UNUSED

A16 - T/R 1 + U POWER SUPPLY (BROWN-V)

A17 - T/R 1 INPUT (WHITE-S)

A18 - UNUSED

B1 - 0 VOLT

B2 - OUTPUT 1 = SURV

B3 - OUTPUT 2 = ENR

B4 - OUTPUT 3 = DEF

B5 - OUTPUT 4 = PRE

B6 - OUTPUT 5 = SURV

B7 - OUTPUT 6 = ENR

B8 - OUTPUT 7 = DEF

B9 - OUTPUT 8 = PRE

B10 - COMMON FOR OUTPUT

B11 - 0 VOLT POWER SUPPLY

B12 - 0 VOLT

B13 - T/R 2 0 VOLT (BLACK-0)

B14 - T/R 2 OUTPUT (BLUE-E)

B15 - 0 VOLT

B16 - T/R 1 0 VOLT (BLACK-0)

B17 - T/R 1 OUTPUT (BLUE-E)

B18 - UNUSED

WHEN USING RS-485 LINK, THE FOLLOWING PINS ON THE 25 PIN CONNECTOR CABLE MUST BE JUMPED FROM:

- PIN 12 TO 24
- PIN 11 TO 25

COLOR CODE REFERS TO ONLY BALOGH CABLING

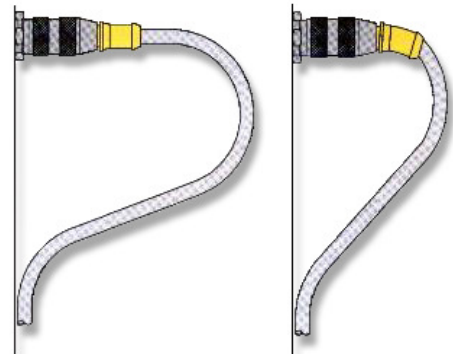
Cabling And Accessories (SOLD SEPERATELY)

Transceiver Cable - SEF/ST/**

Standard Cable Lengths are 2, 5m, 25, 50, 75, 100ft

** Indicates Cable Length Please Contact Balogh for other cable lengths.

Only Hand Tighten Cables
Correct **Incorrect**

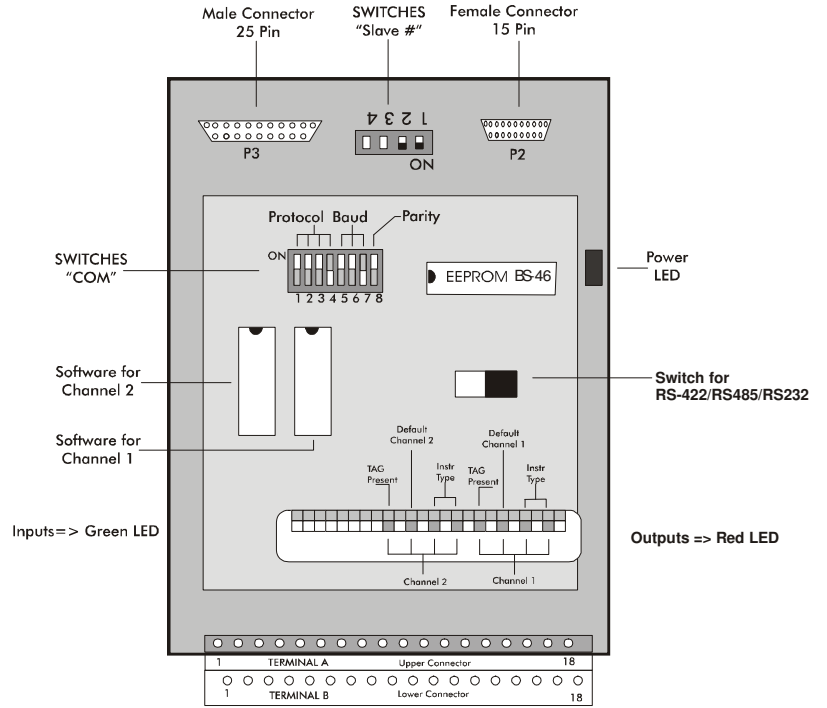


Bend radius 3 x cable diameter

Technical Information

- 2 Transceiver Channels
- Operating Temperature 0° to 50° C
- Weight - 750 Grams
- 24 VDC ($\pm 2\%$)
- Consumes 70 mA of current (without transceivers) 370 mA (w/Transceivers)

Status LED'S & Part Locations



FAQ

Dimensional Drawing

