



## SIB-V245 / V453 SCADA Interface Board for Motorola™ ACE3600 Mixed I/O Module



### FEATURES

- 16 Discrete (DI) inputs can be separately set to monitor 10 to 30 VAC / VDC or 120VAC
- 4 Discrete outputs (DO) are Form C (SPDT) pluggable relays.
- 4 Bipolar Analog Inputs (AI) provides test points which allow monitoring each of the four AI current signal inputs without breaking the current loop
- Transient surge arrestors on the AI input can be replaced in the field with a small screwdriver.
- RoHS Compliant
- UL/cUL Recognized
- 3 Year Warranty

### DESCRIPTION

The Model SIB-V245 / V453 SCADA Interface Board (SIB) is an external interface product which extends the ranges of the Motorola ACE3600 Mixed I/O module's Discrete Inputs (DI), Discrete Outputs (DO), and provides test points which allow monitoring each Analog Input's (AI) current signal without breaking the current loop.

Surge arrestors are provided on the SIB board to protect the ACE3600 module Analog Inputs. These surge arrestors can be easily replaced with a small screwdriver if the surge arrestors are damaged. Replacement surge arrestors are available.

An optional plug-in 120VAC powered 24VDC (350mA) power supply is available which can be mounted on the SIB.

The 24VDC power supply can power the DO relays and can be used for excitation of system switches which are being monitored by the DI. It can also power 2 wire transmitters for the Analog Inputs.

A fuse holder with a 1/4 Amp Fast Blow Fuse (5mm x 20mm) for the power supply's 120VAC power input is vertically mounted on the SIB.

All connections to the SIB board are made to plug-in terminal blocks which plug into Headers on the board. The output terminal blocks, which connect to the ACE3600 module, use 10 pin Headers which accept 10 pin connector terminal blocks. These Terminals and Headers match the ACE3600 Mixed I/O module pin for pin.

Module connector cables of different lengths are optionally available to make the connection from the SIB to the ACE3600 module.

### INSTALLATION

The SIB is shipped mounted into 2 grooves in a plastic track. The plastic track has DIN rail clips so the track can be snapped on to a DIN rail. The track is also shipped with plastic brackets so it can be mounted on a flat surface with 2 screws. Both mounts are supplied with each unit.

The Module connector cable is plugged into the ACE3600 Module and the terminal blocks on the SIB end are plugged into the SIB. The cable has a flexible coating and the wire is flexible stranded to provide ease of positioning.

### WARRANTY

The SIB-V245 / V453 carries a limited 3 year warranty. In the event of a failure due to defective material or workmanship, during the 3 year period, the unit will be repaired or replaced at no charge.

NOTE: Relays and Surge Arrestors are not covered by the warranty.

Motorola™ is a registered trademark of Motorola Trademark Holdings, LLC.

### SPECIFICATIONS

#### DI (16 Digital Inputs)

LOW RANGE  
±10 VDC to 30 VDC  
10 VAC to 30 VAC  
HIGH RANGE  
120 VAC

#### DO (4 Relay Outputs)

Contacts - Form C (SPDT)  
Current Rating - 10A AC or DC  
Voltage Rating 277 VAC - 220 VDC  
Coil 24 VDC  
Coil Current .03A  
Contact - Silver Alloy - Gold Flashed  
Pull In Voltage = 80% of Rating

#### ANALOG (4 Bi-Polar Inputs)

± 0 mA to 20 mA or  
± 4 mA to 20 mA

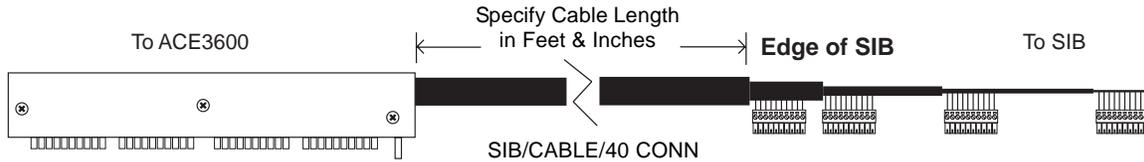
**ORDERING INFORMATION**

SIB-V245 / V453 Motorola™ ACE3600 Mixed I/O SCADA Interface Board

Qty\_\_\_\_\_

**ACCESSORIES**

ITEM	DESCRIPTION	PACKAGE QUANTITY	PART NUMBER	
PS	PLUG-IN PS, 120VAC TO 24VDC	1	4353	Qty_____
FUSE	5mm x 20mm, 1/4A, FAST	5	4564	Qty_____
SURGE ARRESTOR	ANALOG INPUT SURGE ARRESTOR, BENT TO SHAPE FOR INSTALLATION	4	4304	Qty_____
PLUG-IN TERMINAL	FOR HDR1, HDR2, HDR10, 10 TERMINALS, WIRE ENTRY PARALLEL TO CIRCUIT BOARD	1	4565R	Qty_____
PLUG-IN TERMINAL	FOR HDR3, HDR4, HDR5, HDR6, 3 TERMINALS, WIRE ENTRY PARALLEL TO CIRCUIT BOARD	1	4336R	Qty_____
PLUG-IN TERMINAL	FOR HDR7, 5 TERMINALS, WIRE ENTRY PARALLEL TO CIRCUIT BOARD	1	4338R	Qty_____
PLUG-IN TERMINAL	FOR HDR8, HDR9, 2 TERMINALS, WIRE ENTRY PARALLEL TO CIRCUIT BOARD	1	4334R	Qty_____
PLUG-IN TERMINAL	FOR HDR11, HDR12, HDR13, HDR14, 10 TERMINALS, WIRE ENTRY PERPENDICULAR TO CIRCUIT BOARD	1	4341R	Qty_____
RELAY	24V COIL, FORM C (SPDT), 10A RATING	1	4306	Qty_____
JUMPER	BLACK JUMPER - RELAY LOGIC CONNECTOR	4	2681	Qty_____
RELAY CLIP	CLIP TO SECURE RELAY IN SOCKET	1	4308	Qty_____
TRACK	TRACK FOR SIB-V245/V453	1	TRK-SIB-V245	Qty_____
TRACK DIN RAIL	DIN RAIL MOUNT CLIP	2	DMP-SIB	Qty_____
TRACK SURFACE	SURFACE MOUNT BRACKET	2	SMP-SIB	Qty_____
MODULE CABLE	CABLE - SIB TO MODULE (Specify Length in Feet & Inches - See Below)	1	SIB/CABLE/40 CONN	Qty_____



**DIMENSIONS**

