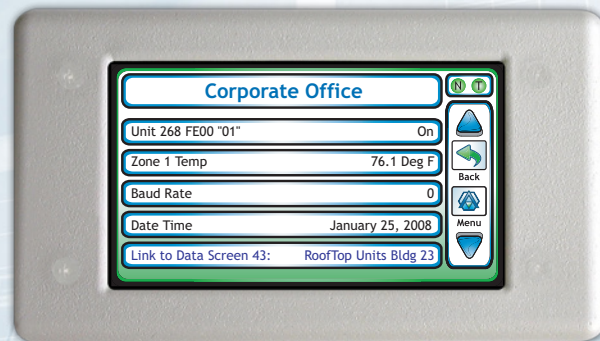# AMERICAN AUTO-MATRIX®

BBC-SD™ BACnet® Building Controller - Small Display

The BACnet Building Controller Small Display (BBC-SD) is a compact, wall mountable, and addressable network display device for MS/TP-based networks that enables users to quickly monitor their HVAC system, and easily make changes to the way their building is controlled. The BBC-SD features a touchscreen interface with permission-based menu icons allowing for simple navigation to read and write values, view alarms, grouped data, and point descriptions. The BBC-SD is easily configured via the Windows® based BBC SD-Pro™ utility.

FEATURES

- Able to automatically display and modify up to 150 BACnet object properties

- Can manually address, view, and modify any data point on the BACnet network

- 50 configurable data screens containing live BACnet network data and/or hyperlinks to other data screens allow unique point groupings

- 12-bit color, 480x272 pixel TFT-based touchscreen local user interface for display and modification

- Configurable header information

- Multi-tiered, icon-driven screen navigation

- Available "Home Screen", adaptable to display frequently viewed or accessed data

- Intuitive screen calibration

- Multi-level numeric password-based access protection

- Able to "sniff" network traffic, store and display up to 128 alarms

- Flash program upgradable through use of standard SD/MMC card port

- Standard text representation of specified events

- Programmable display dimming functions to protect against image burn

- Non-volatile memory stored on the BBC-SD for backup and cloning over the network

- Automatic discovery of all master and slave devices

- Temporary address override allows interrogating different controllers without redeploying the configuration file

- Configured using BBC-SD Pro for Windows via the MS/TP network or SD card
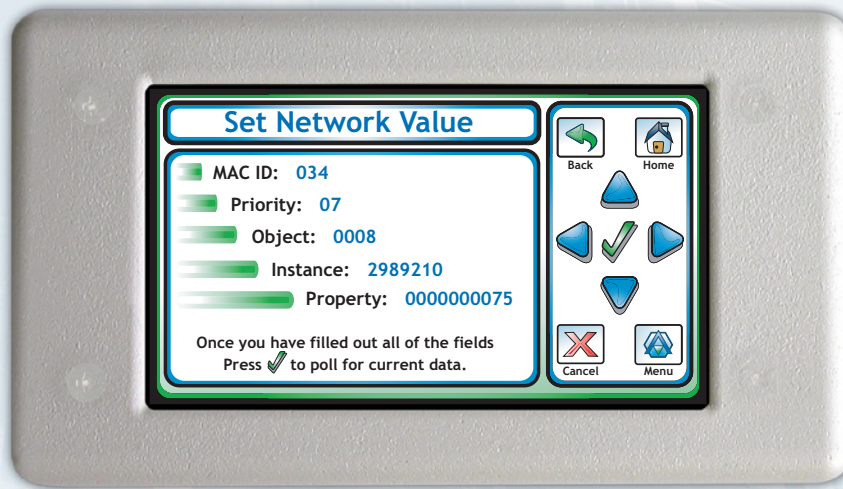
- Automatically sets date & time

Home Screen

Main Menu

BBC-SD-PRO CONFIGURATION UTILITY

BBC-SD Pro is a PC-based configuration environment used to setup and configure the operational parameters of the BBC-SD.
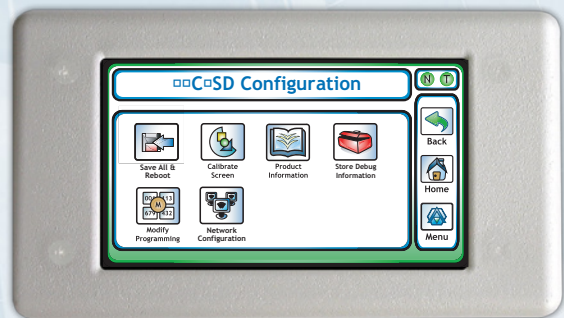
Users can define key data from BACnet MS/TP units which will be displayed on the screen for monitoring and modification. Once all configuration parameters have been defined, a configuration file can be generated (saved) and transported to the BBC-SD through the use of its local SD-card socket or via BACnet File Services.

Smart Building Solutions®

Set Network Value

MAC ID:	034	
Priority:	07	
Object:	0008	
Instance:	2989210	
Property:	0000000075	

Once you have filled out all of the fields
Press ✓ to poll for current data.

Back   Home

Cancel   Menu

Data Entry Screen

- Token, and network activity icons

- 50 customizable 24-character menu text headers

- Customizable long (150 character) and short (24 character) text description for each datapoint

- Chemically resistant "Kydex" plastic case, mountable on both US and Euro switch boxes

- Touch screen protected by a chemically resistant polyester membrane

- Advanced MS/TP diagnostics utilities

- Adjustable volume control

- Up to 16 linked BACnet schedules and calendars (8 each)

- 32 analog value & 32 binary value BACnet objects for remote data display

□□C□SD Configuration

Save All & Reboot   Calibrate Screen   Product Information   Store Debug Information

Modify Programming   Network Configuration

Back   Home   Menu

Configuration Screen

NB-SD SPECIFICATIONS

Processor	high-speed 32-bit ARM processor		**SD/MMC Card Socket**	supports SD card up to 2 GB
Touch Screen Display	backlit 16:9 widescreen TFT color LCD 480 x 272 pixels		**Operating Temp**	32 to 122˚ F (0 to 50˚C)
Local Memory Storage	8 MB onboard flash chip		**Relative Humidity**	0 to 90% non condensing
SRAM	1 MB RAM chip		**Power Requirements**	14-29 VAC/DC, 50/60 Hz; 4W maximum; Class 2
Communication	BACnet MS/TP Master -9.6, 19.2, 38.4, 57.6, 76.8, 115.2k		**Agency Listings**	UL listed 916, Management Equipment, Energy (PAZX)
Features	revert button / reset button			FCC rules Part 15 Class B computing device
Overall Size	6.0 x 3.4 x 1.0 in. (15.24 x 8.64 x 2.54 cm) mounting holes for 2x4 utility or 2x2 K power box			Complies with CE directive and standards

American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business (SAM Cage # 4LL80)

American Made
American Owned