Introduction

The Johnson Controls ® Touch Advanced Display (TAD) is a comprehensive series of freely programmable operator interfaces featuring both IP and MSTP BACnet® communication and colorful, graphic displays with touch-screen interface.

TAD displays feature bright TFT widescreen (16:9) displays of different sizes 4.3 in., 7 in., and 10 in. with a fully dimmable LED backlight and resistive touch interface. The integrated HTML 5.0 web server grants remote access whenever you conect the units to an accessible IP network.

TAD Series offers an unprecedented price to performance ratio to meet challenging applications requirements from offices to control rooms. They combine state-of-theart features and top performance with an outstanding design. TAD Series is the ideal choice for User Interface (UI) applications enabling an intuitive and easy interaction with the building automation controls and equipment.

Features and Benefits

Standard BACnet interfaces (IP / MSTP)

The TAD Series fulfill the standard BACnet Operator Display (B-OD) profile enriching its minimum requirements with Alarms, Time Schedules and Calendars support, enabling users to take full advantage of the features included in the connected devices.

Freely programmable

The Touch-Screen Tailoring Tool (T^3) suite allows customizing the TAD user experience, tailoring it to the effective user requirements. Thanks to the extensive library of symbols and widgets, building data and operations are presented in a consistent way across different applications.

Web-browser widget

Embedded web browser devices are becoming a common demand in the marketplace. TAD features a web-browser widget that can be included in the User Interface project empowering the end user to connect to simple web pages and interact with remote systems.

Embedded Web-Server

The web server capabilities natively included in TAD devices allow users to remotely connect and interact with the device through standard internet browsers. The web pages user interface will reflect the same UX of the local application therefore maintaining a consistent look across different interfaces.

Simple and elegant yet robust design

Its simplicity of design does not preclude the immediate impression of beauty and the IP66 protection rate for the front of the unit.

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Ordering information

Table 1: Ordering codes

Product code	Description
TAD0471-0	109 mm (4.3 in.) Touchscreen Advanced Display
TAD0701-0	178 mm (7.0 in.) Touchscreen Advanced Display
TAD1001-0	254 mm (10.0 in.) Touchscreen Advanced Display

Accessories

Table 2: Ordering codes

Product code	Description
BOX04-01	Wall mount box for TAD04
BOX07-01	Wall mount box for TAD07
BOX10-01	Wall mount box for TAD10
DEMO-STAND07	Counter display structure for TAD07
TAD-DB9-0	DB-9 Serial Port Connector for BACnet MSTP.
TTT0103	Touchscreen Tailoring Tool, single license Key for 3 installations
TTT0110	Touchscreen Tailoring Tool, single license Key for 10 installations
TTT0130	Touchscreen Tailoring Tool, single license Key for 30 installations

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Technical specifications

Table 3: Technical specifications

Product Code Number	**TAD0471-0:** 109 mm (4.3 in.) freely programmable Touchscreen Advanced Display
	TAD0701-0: 178 mm (7.0 in.) freely programmable Touchscreen Advanced Display
	TAD1001-0: 254 mm (10.0 in.) freely programmable Touchscreen Advanced Display
Display	**TAD0471-0:** 109 mm (4.3 in.) widescreen TFT 64k Colors, 480 x 272 and LED backlight
	TAD0701-0: 254 mm (10.0 in.) widescreen TFT 64k Colors, 800 x 480 and LED backlight
	TAD1001-0: 178 mm (7.0 in.) widescreen TFT 64k Colors, 1024 x 600 and LED backlight
Brightness	200 cd/m2
Touch-screen	Resistive
Supply voltage	18-32 VDC
Real-time clock	Yes
Ethernet Port	1 – Port 0 10/100
Serial Port	RS-232 / RS-422 / RS-485 Software Configurable
USB Port	1 – Host v. 2.0, max. 500 mA
Power consumption	**TAD0471-0:** 250 mA max @ 24 VDC
	TAD0701-0: 300 mA max @ 24 VDC
	TAD1001-0: 380 mA max @ 24 VDC
Ambient conditions	**Operating:** -0°C to +50°C (32°F to 122°F), 5 to 85% RH (noncondensing)
	Storage: -20°C to +70°C (-4°F to 158°F), 5 to 85% RH (noncondensing)
Dimensions (H x W x D)	**TAD0471-0:** 107 mm x 147 mm x 24 mm (4.21 in x 5.78 in. x 0.945 in.)
	TAD0701-0: 147 mm x 187 mm x 24 mm (5.79 in. x 7.36 in. x 0.945 in.)
	TAD1001-0: 197 mm x 282 mm x 25 mm (7.75 in. x 11.10 in. x 0.984 in.)
Weight	**TAD0471-0:** 0.88 lb. (0.4 kg)
	TAD0701-0: 1.32 lb. (0.6 kg)
	TAD1001-0: 2.2 lb. (1.0 kg)
Weight	**TAD0471-0:** RAM, 256MB Flash, 2GB
	TAD0701-0: RAM, 256MB Flash, 2GB
	TAD1001-0: RAM, 512MB Flash, 4GB
Housing	Protection: IP66 front, IP20 back. ⓘ **Note:** IP66 rating is achieved strictly respecting the instructions provided.
Compliance CE	**United States:** UL Listed, File E515649, CCN NRAQ, UL 508, Programmable controllers; FCC test report available
	Canada: UL Listed, File E515649, CCN NRAQ7, CAN/CSA C22.2 No. 142, Programmable controllers certified for Canada; Industry Canada Compliant.
	Europe: CE Mark – Johnson Controls, Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of the EMC Directive.
	Australia and New Zealand: RCM Mark, Australia/NZ Emissions Compliant

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

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Single point of contact

APAC	Europe	NA/SA
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIJANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS WESTENDHOF 3 45143 ESSEN GERMANY	JOHNSON CONTROLS 507 E MICHIGAN ST MILWAUKEE WI 53202 USA

Contact information

Contact your local branch office: www.johnsoncontrols.com/locations

Contact Johnson Controls: www.johnsoncontrols.com/contact-us

Contact Technical Communications: CO-GLOBAL-BAS-DOCFeedback@jci.com

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