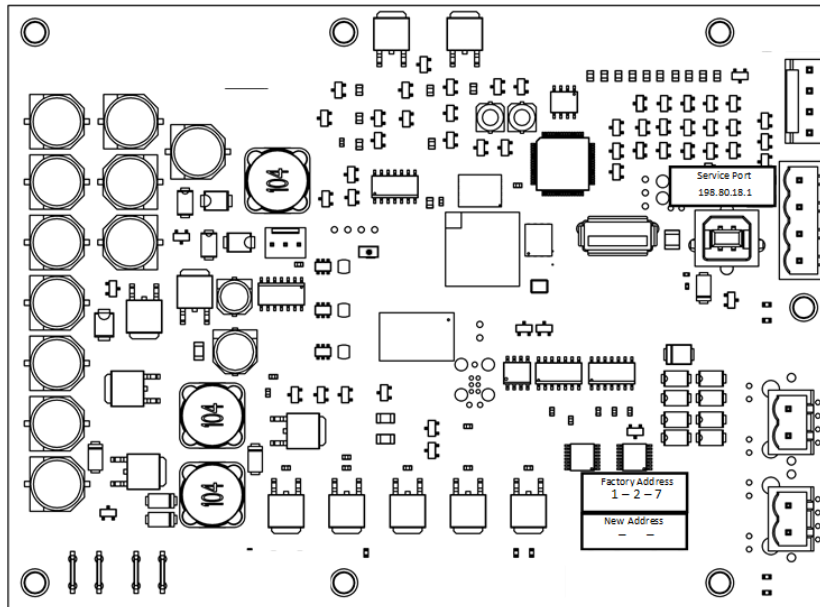Product Data

BACnet® Communication Interface 2

For IntelliPak™ and Commercial Self-contained (CSC) Units

Data Sheet

Ordering Number:	Description:
C175259100001	IntelliPak 1, 2, and CSC; for field-installed kits

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Overview

The BACnet® Communication Interface for IntelliPak™ (BCI2-I) device is a communications module that allows heating, ventilation, and air-conditioning (HVAC) equipment to communicate on a BACnet communications network. This device is a non-programmable communication module that connects directly to the IntelliPak family of equipment by means of an inter-process communication (IPC) buss. This factory- or field-installed device is designed to be used on IntelliPak 1 and 2 rooftop units, and IntelliPak Commercial Self-contained Units (CSC).

Note: *The BCI2-I is not designed for fresh air units (FAU).*

Features and Benefits

| Features	Benefits
BCI2-I Installation	The device is provided as either a factory- or field-mounted unit.
Self-configuring/Data Point Manager	The device can determine data points based on the type of IntelliPak equipment and the installed equipment options.
BACnet protocol	The device supports BACnet protocol per ASHRAE 135-2004 and meets requirements for BACnet Testing Laboratory (BTL) certification as an BACnet Building Controller (B-BC) profile device.
Multiple diagnostics on control points	Allows for advanced, remote control, and troubleshooting of equipment.
Compatible with Trane Air-Fi® Wireless Communication System	Provides wireless communication between Trane BACnet unit and system controllers and zone sensors. This allows faster, easier, lower-risk installation and life-cycle savings due to future space re-configuration, upgrades, and expansions.

Specifications and Controller Dimensions

The following table provides specifications and requirements for the BCI2-R controller.

Table 1. BCI2-R Specifications

Storage	
Temperature:	-48°F to 203°F (-44°C to 95°C)
Relative humidity:	Between 5% to 95% (non-condensing)
Operating	
Temperature:	-40°C to 70°C (-40°F to 158°F)
Humidity:	Between 5% to 95% (non-condensing)
Power:	24 Vdc ±15%, maximum load 90 mA
Temperature:	-40°F to 158°F (-40°C to 70°C)
Humidity:	Between 5% to 95% (non-condensing)
Power:	24 Vac ±15% nominal, 6 VA, Class 2 (Maximum VA = 12VA)
Mounting weight of controller:	Mounting surface must support: 0.80 lb. (0.364 kg)

Dimensions

6.1 in. [155.6 mm]

4.5 in. [114.3 mm]

The maximum depth
of the controller
is 1.3 in. (32.9 mm)
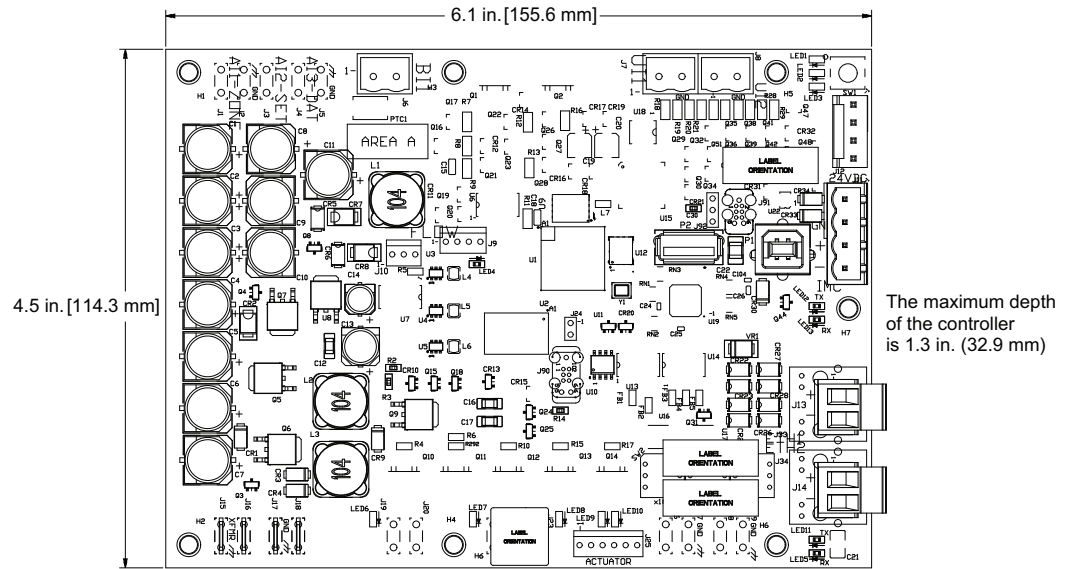
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