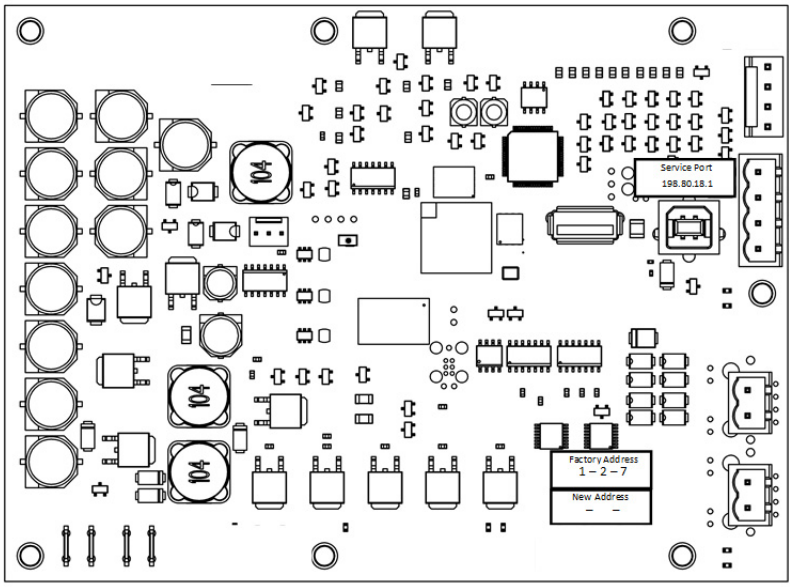
Product Data

BACnet® Communication Interface 2

For Chillers (BCI2-C)
Data Sheet



Ordering Number:	Description:
KIT19852	BACnet® Communications Interface 2 Kit for Chillers

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

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Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

Overview

The BCI2-C 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 nonprogrammable communication module that connects directly to the Tracer CH530 series of equipment.

Features and Benefits

Features	Benefits
BCI2-C Installation	The BCI2-C can be offered as a factory or field-mounted unit.
Self-configuring/Data Point Manager	The BCI2-C is a self-configuring unit that determines data points based on the type of chiller equipment and installed equipment options.
BACnet® protocol	BCI2-R device supports BACnet protocol per ASHRAE 135-2004 and meets requirements for BACnet Testing Laboratory (BTL) certification as a BACnet Building Controller (B-BC) profile device.

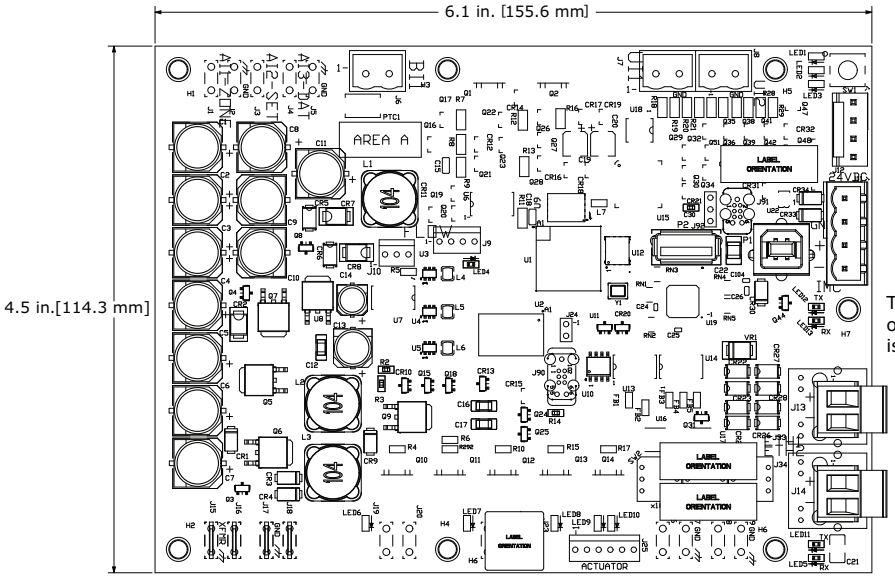
Specifications and Controller Dimensions

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

Table 1. BCI2-R specifications

Storage	
Temperature:	-48°C to 95°C (-48°F to 203°F)
Relative humidity:	Between 5% to 95% (non-condensing)
Operating	
Temperature:	-40°F to 158°F (-40°C to 70°C)
Humidity:	Between 5% to 95% (non-condensing)
Power:	24 Vdc ±15%, maximum load 90 mA
Controller mounting weight:	Mounting surface must support: 0.80 lb. (0.364 kg)
Altitude:	6,500 ft maximum (1,981 m)
Installation:	U.L. 840: Category 3
Pollution:	U.L. 840: Degree 2

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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