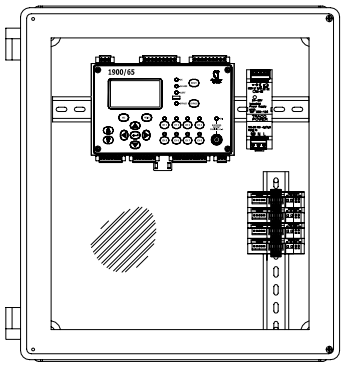
1900/65 to Trendmaster® DSM Interface Kit



Description

This hardware kit provides the necessary parts to interface the outputs from the 1900/65 general purpose equipment monitor to System 1™, Bently Nevada's flagship optimization and diagnostic software, through a Trendmaster Dynamic Scanning Module (DSM) interface. The buffered outputs from the 4 vibration channels on the 1900/65 can either be wired directly into the –24V transducer input card on the DSM or through rack buffered output transducer interface modules (TIMs) where a signal processing adapter (SPA) line would connect the TIMs to the DSM. If temperature points are required, the 4-20mA outputs from the 4 temperature channels on the 1900/65 can be wired directly to a process variable input card on the DSM or to process variable TIMs for a Trendmaster SPA line connection. Either of these connection types from the 1900/65 to the Trendmaster DSM will provide the required interface to System 1™ for the 1900/65 data.

Kit Contents

Depending on the kit options that are ordered, the following hardware items are provided:

- Fiberglass NEMA type 4X / IEC 529 IP 66 housing with viewing window in cover. A clear anodized aluminum mounting panel is included.
- Slotted DIN Rail for hardware mounting.
- Up to 4 Rack Buffered Output (Vibration) Transducer Interface Modules (TIMs).
- Up to 4 Process Variable (PV) TIMs for temperature points. Includes a 24 VDC power supply to provide loop power to the PV TIMs.
- IDC ribbon cable to connect TIMs.
- IDC termination hand tool.
- 22 AWG twisted shielded pair to connect 1900/65 buffered outputs to TIMs and 22 AWG stranded conductors to connect 1900/65 4-20mA output to TIMs.
- Required fasteners to secure DIN rail to mounting panel and panel to the housing.
- Installation drawing (document number 172368)

Note: The 1900/65 and the Trendmaster DSM are not included in this kit. These items must be ordered separately.

Warning: For hazardous area installations, the 1900/65 and DSM must be ordered with the approvals option. Customer is responsible for following the hazardous area wiring methods and labeling the system during the installation.

Supported Transducer Interface Modules (TIMs)

Part Number	Description
101281	Rack Buffered Output TIM
85014	Process Variable TIM

Ordering Information

1900/65_TIM_KIT – Axx – Bxx - Cxx

Weatherproof Housing (Axx)

A NEMA 4X / IP 66 fiberglass housing can be ordered with the 1900/65_TIM_KIT.

A00	No Housing Required
A01	Housing Provided

Number of RBO TIMs (Bxx)

The 1900/65_TIM_KIT can be ordered with up to four Rack Buffered Output TIMs.

B00	No TIMs Required
B01	1 RBO TIM Provided
B02	2 RBO TIMs Provided
B03	3 RBO TIMs Provided
B04	4 RBO TIMs Provided

Number of PV TIMs (Cxx)

The 1900/65_TIM_KIT can be ordered with up to four Process Variable TIMs.

C00	No TIMs Required
C01	1 PV TIM Provided
C02	2 PV TIMs Provided
C03	3 PV TIMs Provided
C04	4 PV TIMs Provided

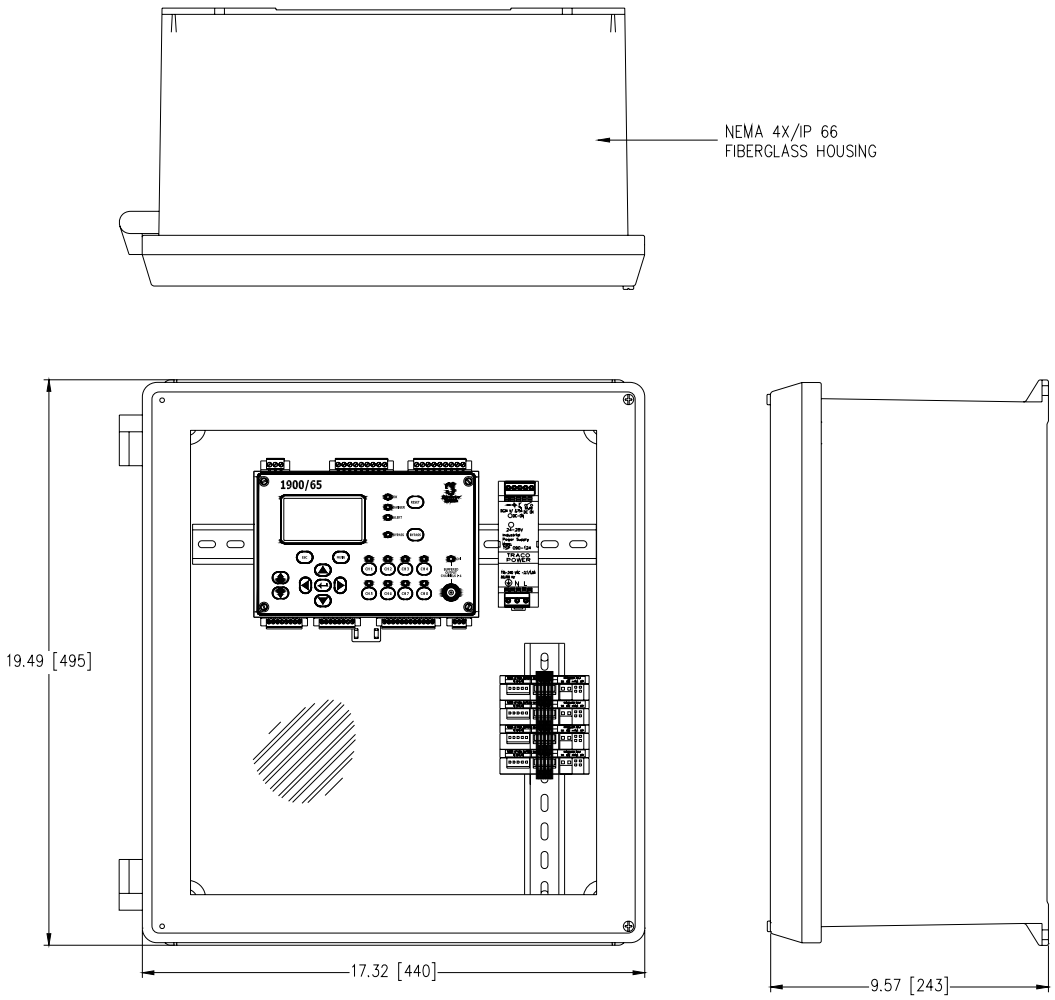
Reference 1900/65, Trendmaster® DSM, System 1™, and TIM datasheets for further information.

Installation Overview

Refer to drawing 172368 which shows the assembly and wiring of the kit when the A01 option is ordered. If you have an existing housing or cabinet with a 1900/65, the TIMs and supporting hardware would need to be installed in a similar manner.

Hardware Required for Assembly and Installation

- 1900/65 with DIN Rail or Bulkhead mounting option.
- Trendmaster® DSM with DIN Rail mounting and the associated input card(s) for the wiring setup described above:
  - 149787-01: Trendmaster TIM line input card when using the RBO and PV TIMs with a SPA line.
  - 149811-01: -24V Transducer input card for a 1900/65 buffered output connection directly to the DSM.
  - 149799-01: 4-20mA input card for a 1900/65 4-20mA output connection directly to the DSM.
- Screwdrivers
- Wire cutter and stripper
- Hole saw or punch
- Conduit hubs (or cable seals)
- Trendmaster system cable (pn 85033)



1900/65_TIM_KIT-01-04-00 Shown