

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

3500 SYSTEM

135813-01

3500/93 DISPLAY INTERFACE I/O MODULE

Applicable product family: Bently Nevada 3500 machinery protection systems

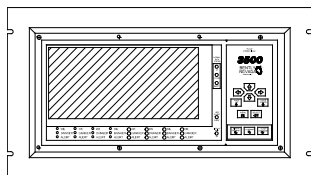
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135813-01.pdf

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3500/93 System Display

Bently Nevada* Asset Condition Monitoring



Description

The 3500/93 System Display is designed to meet the requirements of American Petroleum Institute (API) Standard 670 and provide local or remote visual indication of all 3500 Machinery Protection System information residing in the rack including:

- System Event List
- Alarm Event Lists
- All Channel, Monitor, Relay Module, Keyphasor* Module or Tachometer Module data

The 3500/93 System Display is configured using 3500 Rack Configuration Software. The display can be mounted in any of four ways:

1. **Face Mounting** – display installs directly over the front panel of any full size 3500 rack using a special hinged support. This permits access to the rack's buffered output connectors and user-interface buttons and switches without disconnecting or disabling the display.

Note: For this mounting option only, the Display Interface Module (DIM) must be installed in slot 15 (right-most slot) of the rack. The Face Mounting option is not compatible with the 3500 Mini-rack.

2. **19-inch EIA Rack Mounting** – display is mounted on 19-inch EIA rails and located up to 100 feet away from the 3500 System. (Up to 4000 feet away from the 3500 System when using the External Power Supply).
3. **Panel Mounting** – display is mounted in a panel cutout located in the same cabinet or up to 100 feet away from the 3500 System. (Up to 4000 feet away from the 3500 System when using the External Power Supply).
4. **Independent Mounting** – display is mounted flush against a wall or panel and located up to 100 feet away from the 3500 System. (Up to 4000 feet away from the 3500 System when using the External Power Supply).



Up to two displays can be connected to each 3500 rack and each display requires one empty 3500 rack slot for insertion of its corresponding DIM. When the display is not face-mounted, the cable connection between the DIM and the Display can be made from the front of the 3500 rack or from the I/O module at the rear of the rack.

Applications that require a cable longer than 100 feet must use the External Power Supply and Cable Adapter. Applications that use the back lighted Display Unit must use the External Power Supply. There are two External Power Supplies: one for connection to 115 Vac and the other for connection to 230 Vac.

The External Power/Terminal Strip Mounting Kit eases installation of External Power Supplies. The External Power/Terminal Strip Mounting Kit is designed to fit in the Independent Mount Housing. The Kit streamlines installation of an External Power Supply in both the Independent Mount Housing or a user supplied housing.

Accessories and Spares

135785-01	3500/93 Display Unit, non back-lighted	130121-02-02	500 Foot (152 metres) Extension Cable (Teflon®)
135785-02	3500/93 Display Unit, back-lighted	02200271	External Power Supply for 115 Vac
137412-01	3500/93 Manual	02200272	External Power Supply for 230 Vac
135799-01	3500/93 Display Interface Module	138227-01	Cable Adapter
135799-02	3500/93 Display Interface Module (use with A05 thru A08 options)	146085-01	Power Cable
135813-01	3500/93 Display Interface I/O Module	137224-01	System Mounting Assembly (sheet metal for A01 & A05 options)
175374	ATEX External Power Supply	04309007	4-40 X 0.63 Phillips head screw for System Mounting Assembly, 4 are required
136634-0010-01	10 Foot (3 metres) Cable (PVC)	04344178	10-32 x 0.37 Phillips head screw for System Mounting Assembly, 4 are required
136634-0050-01	50 Foot (15 metres) Cable (PVC)	136978-01	19" EIA Rack Mounting Adaptor (sheet metal for A02 & A06 options)
136634-0050-02	50 Foot (15 metres) Cable (Teflon®)	136977-01	Panel Mounting Clamp (sheet metal for A03 & A07 options)
136634-0100-01	100 Foot (30 metres) Cable (PVC)	136976-01	NEMA Gasket
136634-0100-02	100 Foot (30 metres) Cable (Teflon®)	04300148	10-32 x 1.25 Phillips head screw for Panel Mounting Adaptor, 4 are required
130121-02-01	500 Foot (152 metres) Extension Cable (PVC)		