Bently Nevada 3500 Series Service Manual

3500/94M 120M8155-01

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 3500/94M 120M8155-01

Product type : Advantech 10" Display

ANA-D3510-100-A1, Advantech 10” display. Does not include

mounting screws.

Made in U.S.A

Advantech 10” Display

(ANA-D3510-100-A1)

Screen Size 10” diagonal

Type LCD with LED back light

Industrial

hardened

Yes

Mounting

Styles

Face Mount

19” Rack Mount

Panel Mount

Independent Mount

Power 24 Vdc power supply

included. (Permissible

voltage range 10 Vdc to 28

Vdc)

Inrush Current: 3.5 A @ 24 V

(< 500 µs)

Operating Current: < 500 mA

Agencies CE, UL, CUL

IP54 Designed for.

Class I, Div 2 Yes

ATEX/IECEx Yes

Temperature -20°C to 65°C (-4°F to 149°F)

Operating Temperature.

The minimum temperature rating is

-20ºC (-4°F) for the screen, front

bezel, and rear electronics. When

the screen or front bezel is exposed

to temperatures below -20ºC (-4°F),

a heated enclosure is required.

Humidity 10% to 85% RH noncondensing

Touch

Interface

GFG Resistive Touch Screen

Manufacturer Advantech

Dimensions

(W x H x D)

387.4 mm (15.25 in) x 248.9

mm (9.8 in) x 49.0 mm (1.93

in)Panel Cutout: 342.9 mm

(13.5 in) x 228.6 mm (9.0 in)

Weight

Shipping

4.0 kg (8.78 lb)

Warranty One year

Recommended for industrial use.

Certified for hazardous locations.

The 10" housing is designed for IP54

ingress protection against dust and

water spray.

Dimensions

(height x
width x
depth)
249 mm x 389 mm x 48 mm
9.8 in x 15.3 in x 1.9 in
Touch
screen
(diagonal)
267 mm (10.5 in)
Weight 4.0 kg (8.78 lb)
Hazardous Area Approvals
North America
Approval
Option (01)
Canada
Ex ic nA IIC T4;
Certified to CSA C22.2 60079-0,-
11,-15
Class I, Division 2, Groups A, B, C,
D T4;
Certified to CSA C22.2 213
USA
Class I, Division 2, Group A, B, C, D
T4;
Conforms to: ISA 12.12.01
Class I, Zone 2, AEx ic nA IIC T4;
Conforms to: UL60079-0, -11, -15
ATEX/IECEx
Approval
Option
(02)
II 3G Ex ic nA IIC T4 Gc;
-20°C ≤ Ta ≤ +65°C
Ex ic nA IIC T4 Gc; IP54;
-20°C ≤ Ta ≤ +65°C