NOTES:

1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.

2. To access the NGC termination board, remove the Rear End Cap of the unit (a 1/16" Hex Set Screw must be loosened to remove the Cap).

DC POWER & COMM
Totalflow P/N 2102296-001
SEE SHEET 3 for RS-232
SEE SHEET 4 for RS-485
SEE SHEET 5 for RS-422

ABB

TOTALFLOW Products
D19398
UD
NGC COLD WEATHER ENCLOSURE WIRING INTERCONNECTS
2102818
AB
1 OF 7

Carrier and Sample Gas Regulators
NOTE:
DO NOT connect a low pressure switch directly to the NGC. A barrier must be installed for this.
SEE SHEET 2 for Options

Heater
120V AC, 400 WATT, Class 1, Div 1
Totalflow P/N 1800698-001
Or
230V AC, 400 WATT, ATEX, Class 1, Zone 1
Totalflow P/N 1801626-001
SEE SHEET 6 for Wiring Interconnect
SEE SHEET 2 for Options
NOTES:
1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.
2. To access the NGC termination board, remove the Rear End Cap of the unit (a 1/16" Hex Set Screw must be loosened to remove the Cap).
NOTES:

1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.

2. To access the NGC termination board, remove the Rear End Cap of the unit (a 1/16" Hex Set Screw must be loosened to remove the Cap).

DC Power & Communications Option
Totalflow P/N 2102296-001
(Wiring shown outside of conduit for clarity)

POWER & RS-232 WIRING INTERCONNECT
NOTES:
1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.
2. To access the NGC termination board, remove the Rear End Cap of the unit (a 1/16" Hex Set Screw must be loosened to remove the Cap).
3. Maximum combined length of RS-485 Buss is 4000 feet.
4. Units must be daisy-chained. No star configurations.

TERMINATING 485 PORTS
For Each COMM:
If the NGC unit is the last device on the RS-485 Buss, or if it is the only device, jumper Pin-1 to Pin-2
J9/J11
If it is the first in a series, or a part of a series (if it is not the last device), jumper Pin-2 to Pin-3
J9/J11

12-15V DC Power Supply
(-) (+)

To Customer Communications Device
COMM 1 COMM 2

Switch

Customer Supplied Conduit

DC Power & Communications Option
Totalflow P/N 2102296-001
(Wiring shown outside of conduit for clarity)

POWER & RS-485 WIRING INTERCONNECT

REF: 2102297-AI
NOTES:
1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.
2. To access the NGC termination board, remove the Rear End Cap of the unit (a 1/16" Hex Set Screw must be loosened to remove the Cap).
3. Maximum combined length of RS-422 Buss is 4000 feet.
4. Units must be daisy-chained. No star configurations.
1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.

2. To access wiring, remove the End Cap of the explosion-proof unit

Heater
120V AC, 400 WATT, Class 1, Div 1
Totalflow P/N 1800698-001
Or
230V AC, 400 WATT, ATEX, Class 1, Zone 1
Totalflow P/N 1901628-001

Reset Button
(Inside Enclosure)

To Customer-supplied
120V AC Power Source
or
230V AC Power Source

120VAC/230VAC HEATER
NOTES:
1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification drawing number on the nameplate and follow the specified requirements of this equipment.
2. To access wiring, remove the End Cap of the explosion-proof unit

Catalytic Heater Option
Totalflow P/N 1800582-001
1500 BTU/HR, 12V DC, Bruest # 6-6

From Customer-supplied
12V DC Power Source

CATALYTIC HEATER OPTION

ABB
TOTALFLOW
Products
D19398
ACTION
DOC TYPE
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TITLE
NGC COLD WEATHER ENCLOSURE WIRING INTERCONNECTS
DWG NO.
2102818
REV
AB
SHEET
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