Please replace to the contents described below for the IM 01F06A01-01EN (4th).

<table>
<thead>
<tr>
<th>No.</th>
<th>Page</th>
<th>Addition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>51</td>
<td>10.4 CSA</td>
<td>Added WARNING in (2) Wiring.</td>
</tr>
<tr>
<td>2</td>
<td>60</td>
<td>12.1 ATEX</td>
<td>Added descriptions to Enclosure to Intrinsically Sare Ex ic.</td>
</tr>
<tr>
<td>3</td>
<td>70</td>
<td>12.4 CSA</td>
<td>Added WARNING in (2) Wiring.</td>
</tr>
</tbody>
</table>
(2) Wiring

**WARNING**

- Altitude at Installation Site: Max. 2000 m above sea level
- Overvoltage category: I
- Pollution Degree: 2
- This product is designed for indoor and outdoor use.

**Explosion proof**

**WARNING**

- All wiring shall comply with Canadian Electrical Code Part I and Local Electrical Codes.
- In Hazardous locations, wiring shall be in conduit as shown in the figure.
- A SEAL SHALL BE INSTALLED WITHIN 50cm OF THE ENCLOSURE.
- When the equipment is installed in Division 2, “FACTORY SEALED, CONDUIT SEAL NOT REQUIRED”.

(3) Operation

**Explosion proof**

**WARNING**

- In case of Explosion protected type, note a warning label worded as follows. Warning: OPEN CIRCUIT BEFORE REMOVING COVER.
- Take care not to generate mechanical spark when access to the instrument and peripheral devices in hazardous locations.

(4) Maintenance and Repair

**WARNING**

Only personnel authorized by Yokogawa Electric Corporation can repair the equipment.

(5) Installation Diagram Intrinsically Safe (and Note)

**Intrinsically safe**

- Hazardous Location $\leftrightarrow$ Non Hazardous Location
- Group IIC, Zone 0
- Class I, II, III, Division 1, Groups A, B, C, D, E, F and G

[Integral type]

Remote type]

Installation requirements between flowmeter, converter and Safety Barrier

$U_o \leq U_i \quad I_o \leq I_i \quad P_o \leq P_i \quad C_o \geq C_i + C_{cable}$

$L_o \geq L_i + L_{cable}$

$V_{oc} \leq V_{max}$

$I_{sc} \geq I_{max}$

$C_a \geq C_i + C_{cable}$

$L_a \geq L_i + L_{cable}$

$U_o, I_o, P_o, V_{oc}, I_{sc}, C_a$ and $L_a$ are parameters of barrier.

**WARNING**

- In any safety barrier used output current must be limited by a resistor ‘R’ such that $I_o=U_o/R$ or $I_{sc}=V_{oc}/R$.
- The safety barrier must be CSA certified.
- Input voltage of the safety barrier must be less than 250Vrms/Vdc.
- Installation should be in accordance with Canadian Electrical Code Part I.
- Dust-tight conduit seal must be used when installed in class II and III environments.
- Do not alter drawing without authorization from CSA.
Ambient Temperature:
-40 to +60°C (Integral Type)
-50 to +80°C (Remote Type Detector)
-40 to +80°C (Remote Type Converter)
(Option /LT below -29°C, [ ] Option /MV at T6)

Electrical Data:

<table>
<thead>
<tr>
<th>Entity</th>
<th>Ui = 24 V,</th>
<th>Ii = 250 mA,</th>
<th>Pi = 1.2 W,</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cl = 3.52 nF,</td>
<td>Li = 0 mH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FISCO(IIC) | Ui = 17.5 V, | Ii = 500 mA, | Pi = 5.5 W, |
| Cl = 3.52 nF, | Li = 0 mH |

Connect sensor circuit of DYA and DY-N (/HT)

(Integral Type)

<table>
<thead>
<tr>
<th>Temperature Class</th>
<th>Process Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4</td>
<td>≤ +135°C</td>
</tr>
<tr>
<td>T3</td>
<td>≤ +200°C</td>
</tr>
<tr>
<td>T2</td>
<td>≤ +250°C</td>
</tr>
<tr>
<td>T1</td>
<td>≤ +250°C</td>
</tr>
</tbody>
</table>

(Remote Type Detector)

<table>
<thead>
<tr>
<th>Temperature Class</th>
<th>Process Temperature*</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6</td>
<td>≤ +84/[+79]°C</td>
</tr>
<tr>
<td>T5</td>
<td>≤ +100°C</td>
</tr>
<tr>
<td>T4</td>
<td>≤ +135°C</td>
</tr>
<tr>
<td>T3</td>
<td>≤ +199°C</td>
</tr>
<tr>
<td>T2</td>
<td>≤ +299/[+289]°C</td>
</tr>
<tr>
<td>T1</td>
<td>≤ +449/[+439]°C</td>
</tr>
</tbody>
</table>

*: Use /HT option above +250°C, use /LT option below -29°C, [ ] for /MV option.

Specific conditions of use

- Electrostatic charges on the non-metallic parts (excluding glass parts) or coated parts of the equipment shall be avoided.
- The dielectric strength of at least 500 V a.c. r.m.s. between the intrinsically safe circuits and the enclosure of the flow meter or the converter is limited only by the overvoltage protection.
- Because the enclosures of the flow meters and the flow converter are made of aluminium alloy, when used in a potentially explosive atmosphere requiring apparatus of equipment category 1 G, they must be installed so, that even in the event of rare incidents, an ignition source due to impact of friction between the enclosure and iron/steel is excluded.

- **Intrinsically Safe Ex ic**

Applicable Standard:
- EN 60079-0:2012+A11:2013
- EN 60079-11:2012

Type of Protection:
- Ex ic IIC T4…T1 Gc (Integral Type)
- Ex ic IIC T6…T1 Gc (Remote Type Detector)
- Ex ic IIC T5…T4 Gc (Remote Type Converter)

Group: II
Category: 3 G
Enclosure: IP66/IP67
Pollution Degree: 2
Overvoltage Category: I

Ambient Temperature:
-40 to +60°C (Integral Type)
-50 to +80°C (Remote Type Detector)
(Option /LT below -29°C, [ ] for Option /MV at T6)
-40 to +80°C (Remote Type Converter)

(Integral Type)

<table>
<thead>
<tr>
<th>Temperature Class</th>
<th>Process Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4</td>
<td>-40°C to +135°C</td>
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<tr>
<td>T3</td>
<td>-40°C to +199°C</td>
</tr>
<tr>
<td>T2</td>
<td>-40°C to +250°C</td>
</tr>
<tr>
<td>T1</td>
<td>-40°C to +250°C</td>
</tr>
</tbody>
</table>

(Remote Type Detector)

<table>
<thead>
<tr>
<th>Temperature Class</th>
<th>Process Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6</td>
<td>-196°C to +84/[+79]°C</td>
</tr>
<tr>
<td>T5</td>
<td>-196°C to +100°C</td>
</tr>
<tr>
<td>T4</td>
<td>-196°C to +135°C</td>
</tr>
<tr>
<td>T3</td>
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<tr>
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<td>-196°C to +299/[+289]°C</td>
</tr>
<tr>
<td>T1</td>
<td>-196°C to +449/[+439]°C</td>
</tr>
</tbody>
</table>

*: Use /HT option above +250°C, use /LT option below -29°C, [ ] for /MV option.

Electrical data:

Supply and Output Circuit (SUPPLY + and –);
- FISCO Field Device
  Entity Concept:
  - Maximum Input Voltage Ui: 32Vdc
  - Internal Capacitance Ci: 3.52nF
  - Internal Inductance Li: 0mH
  Electrical Connection: ANSI 1/2 NPT female,
  ISO M20 X 1.5 female

For the connection of DYA to DY-N:
- Maximum cable capacitance: 160nF
- Electrical Connection: ANSI 1/2 NPT female,
  ISO M20 X 1.5 female

Specific conditions of use

- Electrostatic charges on the non-metallic parts (excluding glass parts) or coated parts of the equipment shall be avoided.
- The dielectric strength of at least 500 V a.c. r.m.s. between the intrinsically safe circuits and the enclosure of the flow meter or the converter is limited only by the overvoltage protection.
(2) Wiring

**WARNING**

- Altitude at Installation Site: Max. 2000 m above sea level
- Overvoltage category: I
- Pollution Degree: 2
- This product is designed for indoor and outdoor use.

• Explosion proof

**WARNING**

- All wiring shall comply with Canadian Electrical Code Part I and Local Electrical Codes.
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- A SEAL SHALL BE INSTALLED WITHIN 50cm OF THE ENCLOSURE.
- When the equipment is installed in Division 2, “FACTORY SEALED, CONDUIT SEAL NOT REQUIRED”.

(3) Operation

• Explosion proof

**WARNING**

- Note a warning label worded as follows. Warning: OPEN CIRCUIT BEFORE REMOVING COVER.
- Take care not to generate mechanical spark when access to the instrument and peripheral devices in hazardous locations.

(4) Maintenance and Repair

**WARNING**

The instrument modification or part replacements by other than authorized representatives of Yokogawa Electric Corporation are prohibited and will void CSA Certification.

(5) Dual Seal (Option /CF11)

Dual Seal:
- Certified by CSA to the requirement of ANSI/ISA 12.27.01
- No additional sealing required.
- Primary seal failure annunciation: at the O-ring seal portion between shedder bar and amplifier housing.