For use in US

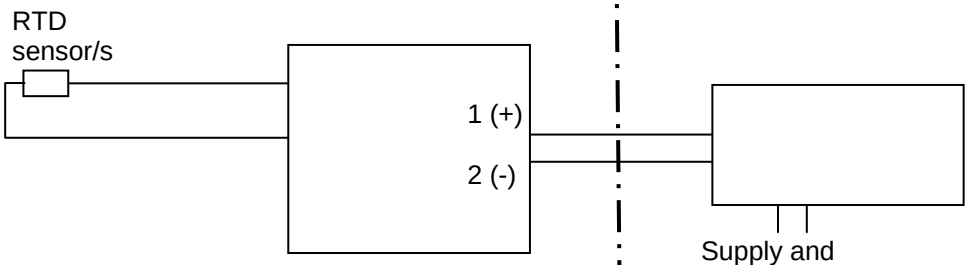
Hazardous (Classified) Location

IS (Entity) Class I, Division 1, Groups C, D
or Class I, Zone 0, AEx ia IIB T4 or T6 Ga
or NI Class I, Division 2, Groups C, D

Nonhazardous Location

Endress+Hauser Yamanashi Co.,Ltd.
NMT532-7.... (FMus)

Associated apparatus



Entity and Nonincendive Field Wiring Parameters
for terminals 1 (+), 2 (-)
prothermo NMT532-7bcdefghij

Ui = V_{max} = 30 V
Ii = I_{max} = 120 mA
Pi = P_{max} = 1 W
Ci = 6.6 nF
Li = 48 μ H

Uo = V_{oc} ≤ 30 V
Io = I_{sc} ≤ 120 mA
Po = P_{max} ≤ 1 W
Ca ≥ 6.6 nF + Ccable
La ≥ 48 μ H + Lcable

Ambient temperature range - 40 °C to +60 or +85 °C (electronics)

The relation between the ambient temperature, the process temperature and the temperature class is shown in the following table:

Temperature class	Ambient temperature	Process temperature (sensor)
		Temperature measurement only
T6	≤ 60 °C	≤ 60 °C
T4	≤ 85 °C	≤ 100 °C

Notes

1. The nonintrinsically safe terminals (supply and interface circuit) must not be connected to any device that uses or generates more than 250 V rms or dc unless it has been determined that the voltage has been adequately isolated.
2. The installation must be in accordance with the National Electrical Code ANSI/NFPA 70 article 504 and ANSI/NFPA RP 12.6
3. FM Entity approved associated apparatus necessary. Used in a configuration where associated apparatus Uo does not exceed Ui of the prothermo NMT532-7... and associated apparatus Io does not exceed Ii of the prothermo NMT532-7... Ci of the prothermo NMT532-7... plus capacitance of interconnecting wiring may not exceed associated apparatus Co. Li of the prothermo NMT532-7... plus inductance of interconnecting wiring may not exceed associated apparatus Lo.
4. For use in Class I, Division 2 location, rigid metal conduit is required if not installed in accordance with the nonincendive field wiring principles outlined with the National Electrical Code ANSI/NFPA 70 article 501 and ANSI/NFPA RP 12.6.

Warning:

1. Substitution of components may impair intrinsic safety. For installation, maintenance or operation instructions see Instruction Manual.
2. Don't modify parts and circuits of this instrument.
3. Avoid electrostatic charge at the capacitance sensor.

REV	DATE	CONTENTS	REVISED	基 PPROVED	SCALE	ESTABLISH DATE
						22 Feb. 2007
						APPROVED / CHECK / DESIGN
2	25 Jan. 17	Add "For use in US", etc.	H.Mizokuni			
1	01 Jan. 08	Company name change	H.Mizokuni		PAGE	

Endress+Hauser
Endress+Hauser Yamanashi Co.,Ltd.

TITLE: Control drawing for NMT532-7.... (FMus)

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基 NO Ex461-852 Rev. 2

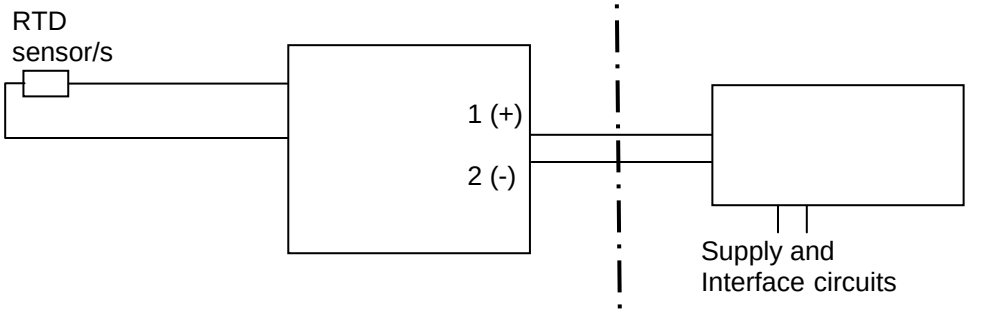
For use in Canada

Hazardous (Classified) Location
IS (Entity) Class I, Division 1, Groups C, D
or Class I, Zone 0, Ex ia IIB T4 or T6 Ga

Nonhazardous Location

Endress+Hauser Yamanashi Co.,Ltd.
NMT532-7.... (cFM)

Associated apparatus



Entity and Nonincendive Field Wiring Parameters
for terminals 1 (+), 2 (-)
prothermo NMT532-7bcdef

Ui = V_{max} = 30 V
Ii = I_{max} = 120 mA
Pi = P_{max} = 1 W
Ci = 6.6 nF
Li = 48 μ H

Uo = V_{oc} ≤ 30 V
Io = I_{sc} ≤ 120 mA
Po = P_{max} ≤ 1 W
Ca ≥ 6.6 nF + Ccable
La ≥ 48 μ H + Lcable

Ambient temperature range - 40 °C to +60 or +85 °C (electronics)

The relation between the ambient temperature, the process temperature and the temperature class is shown in the following table:

Temperature class	Ambient temperature	Process temperature (sensor)
		Temperature measurement only
T6	≤ 60 °C	≤ 60 °C
T4	≤ 85 °C	≤ 100 °C

Notes
1. The nonintrinsically safe terminals (supply and interface circuit) must not be connected to any device that uses or generates more than 250 V rms or dc unless it has been determined that the voltage has been adequately isolated.
2. The installation must be in accordance with the Canadian Electrical Code CAN/CSA C22.1
3. Entity approved associated apparatus necessary. Used in a configuration where associated apparatus Uo does not exceed Ui of the prothermo NMT532-7... and associated apparatus Io does not exceed Ii of the prothermo NMT532-7... Ci of the prothermo NMT532-7... plus capacitance of interconnecting wiring may not exceed associated apparatus Co. Li of the prothermo NMT532-7... plus inductance of interconnecting wiring may not exceed associated apparatus Lo.
4. For use in Class I, Division 2 location, rigid metal conduit is required if not installed in accordance with the nonincendive field wiring principles outlined with the Canadian Electrical Code CAN/CSA C22.1

Warning:
1. Substitution of components may impair intrinsic safety. For installation, maintenance or operation instructions see Instruction Manual.
2. Avoid electrostatic charge at the capacitance sensor.

REV	DATE	CONTENTS	REVISED	(基) APPROVED	SCALE	ESTABLISH DATE
						16 Apr. 2007
						APPROVED / CHECK / DESIGN
2	25 Jan. 17	"-8..." to "-7...(cFM) "	H.Mizokuni		PAGE	
1	01 Jan. 08	Company name change	H.Mizokuni			

Endress+Hauser
Endress+Hauser Yamanashi Co.,Ltd.

TITLE
Control drawing for
NMT532-7.... (cFM)

1/1

(基) NO | Ex462-875 | Rev. 2

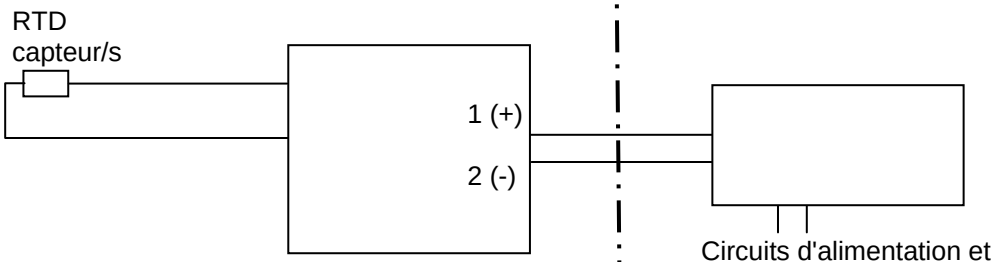
À utiliser au Canada

Emplacement dangereux (classé)
IS (Entité) Classe I, Division 1, Groupes C, D
or Classe I, Zone 0, Ex ia IIB T4 ou T6 Ga

Emplacement non dangereux

Endress+Hauser Yamanashi Co.,Ltd.
NMT532-7.... (cFM)

Appareil associé



Paramètres de câblage de terrain de l'entité et non-dynamique
Pour les terminaux 1 (+), 2 (-)
Prothermo NMT532-7bcdef

Ui = V_{max} = 30 V
Ii = I_{max} = 120 mA
Pi = P_{max} = 1 W
Ci = 6.6 nF
Li = 48 μ H

Uo = V_{oc} ≤ 30 V
Io = I_{sc} ≤ 120 mA
Po = P_{max} ≤ 1 W
Ca ≥ 6.6 nF + Ccable
La ≥ 48 μ H + Lcable

Plage de température ambiante - 40 °C to +60 or +85 °C (électronique)

La relation entre la température ambiante, la température de process et la classe de température est indiquée dans le tableau suivant:

Temperature class	Ambient temperature	Process temperature (sensor)
		Temperature measurement only
T6	≤ 60 °C	≤ 60 °C
T4	≤ 85 °C	≤ 100 °C

Remarques
1. Les bornes non intrinsèquement sécurisées (alimentation et circuit d'interface) ne doivent pas être connectées à un périphérique qui utilise ou génère plus de 250 V rms ou dc à moins qu'il ait été déterminé que la tension a été isolée de manière adéquate.
2. L'installation doit être conforme au Code canadien de l'électricité CAN / CSA C22.1.
3. Les appareils associés approuvés par l'Entité sont nécessaires. Utilisé dans une configuration où l'appareil associé Uo ne dépasse pas Ui du prothermo NMT539-7 ... et les appareils associés Io ne dépassent pas Ii du prothermo NMT539-7 ... Ci de la prothermo NMT539-7 ... plus la capacité Du câblage d'interconnexion ne doit pas dépasser les appareils associés Co. Li du prothermo NMT539-7 ... plus l'inductance du câblage d'interconnexion ne doit pas dépasser les appareils associés Lo.
4. Pour une utilisation dans l'emplacement de la Classe I, Division 2, un conduit de métal rigide est requis s'il n'est pas installé conformément aux principes de câblage non allongés énoncés dans le Code Électrique Canadien CAN / CSA C22.1.

Attention:
1. La substitution des composants peut entraver la sécurité intrinsèque. Pour les instructions d'installation, de maintenance ou d'utilisation, voir le manuel d'instructions.
2. Évitez la charge électrostatique au capteur de capacité.

REV	DATE	CONTENTS	REVISED	APPROVED	SCALE	ESTABLISH DATE
						16 Apr. 2007
						APPROVED / CHECK / DESIGN
2	25 Jan. 17	"-8..." to "-7...(cFM) "	H.Mizokuni			
1	01 Jan. 08	Company name change	H.Mizokuni		PAGE	

Endress+Hauser
Endress+Hauser Yamanashi Co.,Ltd.

TITLE
Dessin de contrôle pour
NMT532-7.... (cFM)

1/1

基 NO | Ex462-875 | Rev. 2