

Power/Analog

AOUT: 1+1, 1- Primary output channel (DC4-20mA) allowable load resistance: 1kΩ or less
2+, 2- Secondary output channel (DC4-20mA) allowable load resistance: 1kΩ or less
DC-IN: DC Power input DC24V±20% AC-IN: AC Power input AC100-230V±10% 50 / 60Hz±10%
Arresters are equipped at shipment. Remove them during cable connection.
Upper line terminal for Arrester. Lower line terminal for cable connection.

Relay Contact (Totalizing and Warning)

Relay Input

EXT-IN: for double range control of analog output

Open means High-range, Close means Low-range on Manual selector mode. Rate of External Contact as per follows.

Rated Voltage: more than DC6V Rated Current : more than 3mA

Contact-on Register : less than 100Ω Contact-off leakage current : less than 10μA

[Relay Output] (Contact Capacity: DC48V/ 0.4A)

Each port "1+/" to "4+/" can be allotted following purposes independently. (Designating Stickers are attached with the unit.)

The output logic of relay channels 1 to 4 can also be independently inverted. (Standard: Normal open)

FW-INTG : Relay closes once for each rise in the totalized count on the forward flow side.

BW-INTG : Relay closes once for each rise in the totalized count on the backward flow side.

ROFF : Relay closes during warning for no received signal.

B.D. (break down) : Relay closes during break down failure warning.

B.D. or ROFF : Relay closes when warning is generated for either no received signal or failure.

HI-LMT : Relay closes when upper limit value is exceeded. For reverse flow determination is based on absolute value.

LO-LMT : Relay closes when lower limit value is exceeded. For reverse flow determination is based on absolute value.

FW-DIRCT (normal flow) : Relay closes when there is flow in forward direction.

BW-DIRCT (reverse flow) : Relay closes when there is flow in reverse direction.

HI-RNG (high range) : Relay closes when range status is high.

LO-RNG (low range) : Relay closes when range status is low.

* Totalized pulse width can be selected from 1000, 500, 100 or 20ms. (Standard : 100ms)

It is common setting between forward flow and reverse flow.

* Terminals : M4 Ring terminal

Digital Output

1.RS-232C Oneway Output: Flow rate, totalizing, warning

2.RS-232C Intercommunication output: Commissioning use

Transducer connection

CH-1 UP, DN: Connection to primary path Transducers.


CH-2 UP, DN: Connection to secondary path Transducers.

Arrester Unit

Equipped on AC power line and Analog line.

Rating: Common mode 4kV, Normal mode 2kV(IEC 61000-4-5)

Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	Checked by	Approved by	Filename	Drawing Num.	Scale	
Y.H.Hwang	K.J.KIM	D.Y.KIM			NONE	



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KFT-9000

초음파 유량계 변환기 구성

KFT-9000

Edition 1

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