

NEW!!

OVGR function is combined to
Reverse Power Relay (DRPR-72).
All-in-one type of measurement and protection
for Solar Power Generation.

Release On
JUNE
2023



GROUND OVERVOLTAGE & REVERSE POWER
PROTECTION DEVICE

DVRR-72

RPR

+

OVGR

+

**HIGH SPEED
RESPONSE 100ms**

Monitoring and communication response time less than 100ms.

Possible to control power conditioners which in tune with instantaneously variable power consumption.

Smallest and compact size in the market.

Combined protection relay and multi-meter function all in one compact size (DIN 72 x 72 mm), which is the smallest design in the market.

Split-type current sensor.

Construction of CT lines is unnecessary, especially for modifications to existing facilities.

Available for unbalanced loads.

As with our various relays and multimeters, they can be used with unbalanced loads without any problems.

Saving energy and natural resources.

Power consumption of control power supply
AC110V: 5VA
DC110V: 2W

RATING

Input line: 3P3W, 1P3W, 1P2W
Voltage rating: AC110V, 50/60Hz
Current rating: 5A Split type current sensor
(Type: CTF-5A to be ordered optionally)
Zero phase voltage rating: AC1V,
(ZPD:AC190V/50mV)

INPUT, OUTPUT

Control Input:

Relay Lock or Status Input

Control Output:

Control output 1:

Reverse Power (67P)

Control output 2:

Ground Overvoltage (64)

Communication Output:

RS-485: Modbus RTU

Response time: less than 0.1s

PROTECTION

Reverse Power (67P)

Ground Overvoltage (64)

Blackout guarantee time: 5 sec.

MEASUREMENT

Voltage (V), Current (I), Power (kW),
Reactive Power (var), Demand, VA, PF, Hz,
kWh, kvarh, Zero Phase Voltage (V0)

STANDARD OF COMPLIANCE

PROTECTION

JIS C 4612 (2020)

JEC 2500 (2010)

JEC 2511 (1995)

MEASUREMENT

JIS C 1102-1 (2011), -2,-3,-4,-5,-7 (1997)

JIS C 1111 (2019)

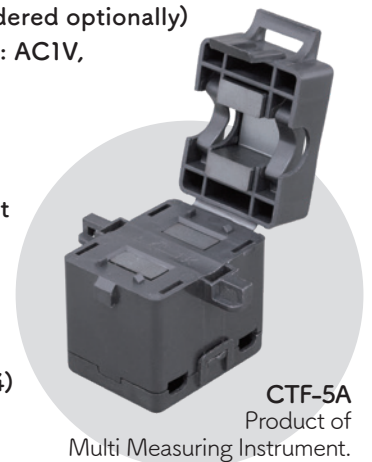
IEC 60688 (2012) ...

SAFETY

IEC 61010-1:2010 CAT III

Max. Operating Voltage 300V

Pollution degree 2



CTF-5A
Product of
Multi Measuring Instrument.

ORDERING INFORMATION

Please specify the specification code from below.

DVRR-72 -				
	[1]	[2]	[3]	0
Type	Specification code			

[1] Model	[2] Control Power Supply	[3] Rating of Zero Phase Voltage
Model A	1 AC85~264V DC80~143V	1 AC1V (ZPD: AC190V/50mV)*
	2 DC20~57V	*ZPD is not included, please prepare ZPC-98 (Maker: HIKARI TRADING CO.,LTD.) by yourself.

