

This acrylic cover-type non-contact meter relay (DC voltmeter/ammeter) is a typical model of LED-type non-contact meter relays, which is used most widely.

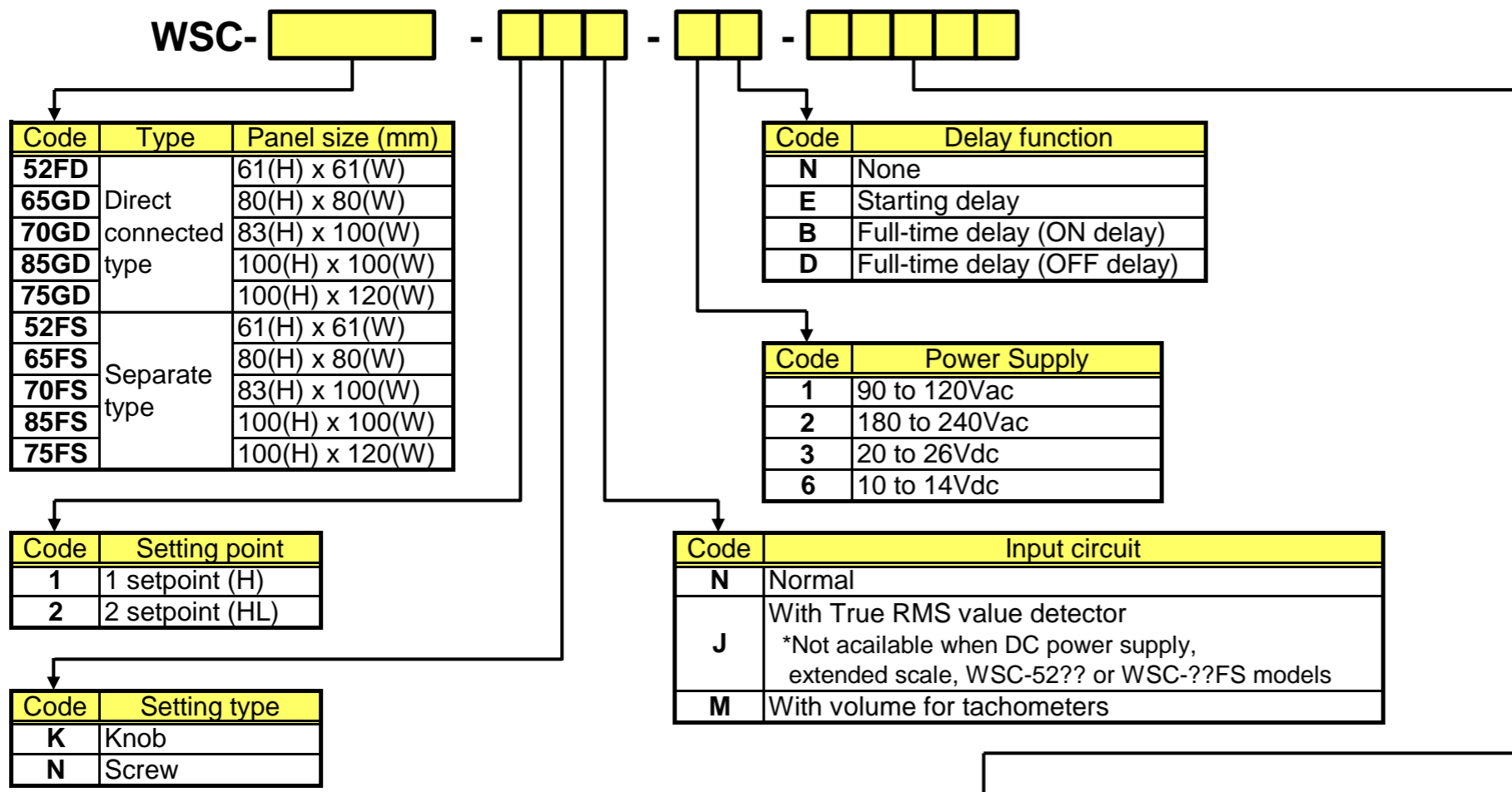
- ★ Almost all peripheral circuits are integrated and incorporated (all up)
- ★ Resistant to effects of external magnetic fields due to the self-shielding meter mechanism

When you order

★ Please inform below when you order

- 1) Model code (Refer below : 'Ordering code')
- 2) Scale (Refer page 2 : 'Standard scale list')
- 3) Unit (Refer page 2 : 'Unit list')

Ordering code



Input range

Input Range (Voltage)	DC		AC	
	Range code	Accessories	Range code	Accessories
0 to 10mV	11VDA	None	-	-
0 to 30mV	13VDA	None	-	-
0 to 50mV	15VDN	None	-	-
0 to 60mV	16VDN	None	-	-
0 to 100mV	21VDN	None	-	-
0 to 200mV	22VDN	None	-	-
0 to 300mV	23VDN	None	-	-
0 to 500mV	25VDN	None	-	-
0 to 1V	31VDN	None	-	-
0 to 3V	33VDN	None	-	-
0 to 5V	35VDN	None	-	-
0 to 10V	41VDN	None	41EAN	None
0 to 15V	4FVDN	None	4FEAN	None
0 to 20V	42VDN	None	42EAN	None
0 to 30V	43VDN	None	43EAN	None
0 to 50V	45VDN	None	45EAN	None
0 to 75V	4WVDN	None	4WEAN	None
0 to 100V	51VDN	None	51EAN	None
0 to 150V	5FVDN	None	5FEAN	None
0 to 200V	52VDN	None	52EAN	None
0 to 300V	53VDN	None	53EAN	None
0 to 500V	55VDN	None	55EAN	None
0 to 750V	5WVM2	M-2 (Multiplier)	5WEB2	M-2 (Multiplier)
1 to 5V (1MΩ)	2222A	None	-	-
1 to 5V	2222N	None	-	-
Other than above				
10mV to less than 50mV	99VDA	None	-	-
50mV to less than 100mV			-	-
100mV to less than 10V	99VDN	None	-	-
10V to less than 500V			99EAN	None
500V to less than 750mV	99VM2	M-2 (Multiplier)	99EB2	M-2 (Multiplier)

Input Range (Current)	DC		AC	
	Range code	Accessories	Range code	Accessories
0 to 10μA	11ADA	None	-	None
0 to 50μA	15ADA	None	-	None
0 to 100μA	21ADN	None	21CAN	None
0 to 200μA	22ADN	None	22CAN	None
0 to 500μA	25ADN	None	25CAN	None
0 to 1mA	31ADN	None	31CAN	None
0 to 3mA	33ADN	None	33CAN	None
0 to 5mA	35ADN	None	35CAN	None
0 to 10mA	41ADN	None	41CAN	None
0 to 20mA	42ADN	None	42CAN	None
0 to 30mA	43ADN	None	43CAN	None
0 to 50mA	45ADN	None	45CTN	None (CT built-in)
0 to 100mA	51ADN	None	51CTN	None (CT built-in)
0 to 300mA	53ADN	None	53CTN	None (CT built-in)
0 to 500mA	55ADN	None	55CTN	None (CT built-in)
0 to 1A	61ADN	None	61CTN	None (CT built-in)
0 to 2A	62ADN	None	62CTN	None (CT built-in)
0 to 3A	63ADN	None	63CTN	None (CT built-in)
0 to 5A	65ADN	None	65CTN	None (CT built-in)
0 to 10A	71AS2	WS-2 (Shunt)	71CT2	WCT-2CR (CT)
0 to 15A	7FAS2	WS-2 (Shunt)	7FCT2	WCT-2CR (CT)
0 to 20A	72AS2	WS-2 (Shunt)	72CT2	WCT-2CR (CT)
0 to 30A	73AS2	WS-2 (Shunt)	73CT2	WCT-2CR (CT)
0 to 50A	75AS2	WS-2 (Shunt)	75CT2	WCT-2CR (CT)
0 to 75A	7WAS2	WS-2 (Shunt)	7WCT2	WCT-2CR (CT)
0 to 100A	81AS2	WS-2 (Shunt)	81CT2	WCT-2CR (CT)
0 to 150A	8FAS2	WS-2 (Shunt)	8FCT2	WCT-2CR (CT)
0 to 200A	82AS2	WS-2 (Shunt)	82CT2	WCT-2CR (CT)
0 to 250A	-	-	8RCT2	WCT-2CR (CT)
0 to 300A	83AS3	WS-300 (Shunt)	83CT5	WCT-2CR (CT)
0 to 400A	-	-	84CT5	WCT-2CR (CT)
0 to 500A	85AS5	WS-500 (Shunt)	85CT5	WCT-2CR (CT)
0 to 600A	-	-	86CT5	WCT-2CR (CT)
0 to 750A	-	-	8WCT5	WCT-2CR (CT)
4 to 20mA	1111N	None	-	-
Other than above				
10μA to less than 100μA	99ADA	None	-	-
100μA to less than 50mA	99ADN	None	99CAN	None
50mA to less than 5A			99CTN	None
5A to less than 150A	99AS2	WS-2 (Shunt)	99CT2	WCT-2CR (CT)

Specifications

Input signal	DC current / voltage
Input rating	10mV to 750Vdc 10μA to 500Adc
Output	Relay contact output (1 point or 2 point)
Setting range	0 to 100% of scale
Accuracy	±2.5%
Dead band	±1%
Contact capacity	Maximum : 125Vac 1A, Minimum : 10mVdc 10μA
Relay operating time	At startup : 0.5 seconds Normal operation : 0.1 seconds
Operating temperature range	-10 to +60°C
Effects of ambient temperature	±0.01% FS per °C
Insulation resistance	100MΩ or more with 1000Vdc megger
Dielectric strength	2000Vac for 1 minute
Weight	Approx. 260 to 450g
Power supply voltage	100Vac / 200Vac / 24Vdc / 12Vdc
Power consumption	Approx. 2.5VA (200Vac), Approx. 2VA (24Vdc)
Panel size	61 to 120 (W) x 61 to 100(H)mm

Standard scale list

Max Scale Value	Scale (Zero left or bottom)
1, 10, 100, 1000	
Same as above When WSC-52	
1.5, 15, 150, 1500	
2, 20, 200	
Same as above When WSC-52	
3, 30, 300	
Same as above When WSC-85, WSC-75	
4, 40, 400	
Same as above When WSC-52	
5, 50, 500	
Same as above When WSC-52	
7.5, 75, 750	
Same as above When WSC-52	

Max Scale Value	Scale (Zero center)
±1, ±10, ±100, ±1000	
Same as above When WSC-52	
±1.5, ±15, ±150, ±1500	
Same as above When WSC-85, WSC-75	
±2, ±20, ±200	
Same as above When WSC-52	
±3, ±30, ±300	
Same as above When WSC-85, WSC-75	
±4, ±40, ±400	
Same as above When WSC-52	
±5, ±50, ±500	
Same as above When WSC-52	
±7.5, ±75, ±750	

Notes : Contact us for special scale other than the above.

- 1) Color scale / letter / digit / band
- 2) Double / Triple extended scale etc.

Unit list

mA	cc	kΩ	mm	t/h
<u>m</u> A	cm/min	ℓ	mm ³	μA
<u>m</u> A	cpm	ℓ/h	mm/min	μm
A	deg	ℓ/min	mm/s	μs
<u>A</u>	g	ℓ/s	mN	VA
<u>A</u>	Hz	lx	m/h	W
mV	kA	MPa	m/s	<u>W</u>
<u>m</u> V	kg	MW	N	<u>W</u>
<u>m</u> V	kg/cm ²	MΩ	Pa	Ω
V	kHz	m	pH	%
<u>V</u>	kℓ	m ²	ppm	°C
<u>V</u>	km	m ³	rpm	°F
kV	km/h	mg	s	
<u>k</u> V	kPa	mg/ℓ	t	
<u>k</u> V	kW	mℓ	ton	

Notes : Contact us for other than the above.

* Specification is subject to change without notice