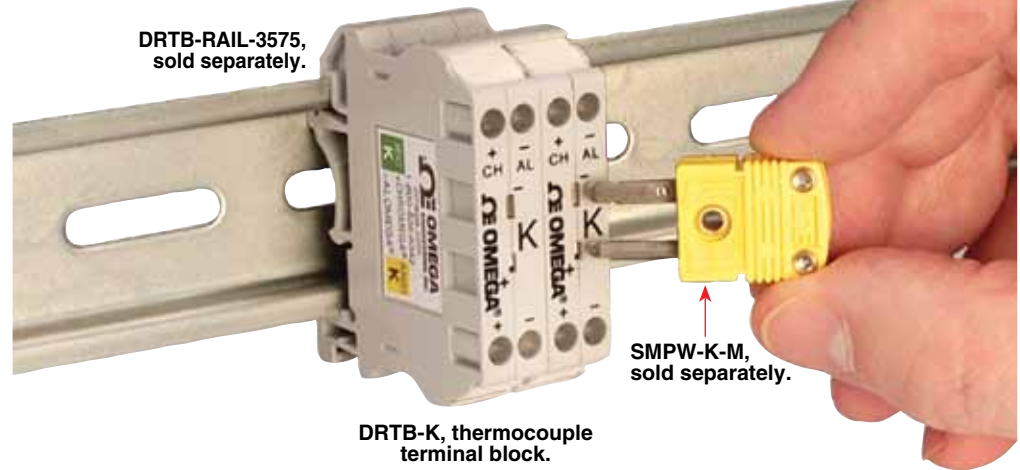


# THERMOCOUPLE TERMINAL BLOCKS

## DIN RAIL MOUNTING AND AUDIT CAPABLE

### DRTB Series



DRTB-RAIL-3575,  
sold separately.

SMPW-K-M,  
sold separately.

DRTB-K, thermocouple  
terminal block.

**PATENT PENDING**  
Covered by U.S.  
and International  
patents and pending  
applications

- Screw Type Terminal for Secure and Maintenance Free Connections
- Type K, J, T, E, N, R/S and U Calibrations
- Built-In Miniature Female Thermocouple Connector for Auditing and Troubleshooting
- Fully Enclosed—No End Plates Required
- DIN Rail Mountable—Narrow 10.7 mm Width
- Identified with Calibration and “+,-” Connections
- Write-On Window Included



Shown with RECK1-10 cable, and the HH506RA datalogger/thermometer, with RS232C interface.

The new DRTB Series thermocouple terminal blocks are manufactured with thermocouple-grade alloys to guarantee accurate readings. A built-in SMP-compatible female receptacle accepts a miniature thermocouple connector. The female connector allows the user to connect to a handheld meter for applications such as data collection, quality assurance compliance, capability studies and trouble shooting installation or repairs.

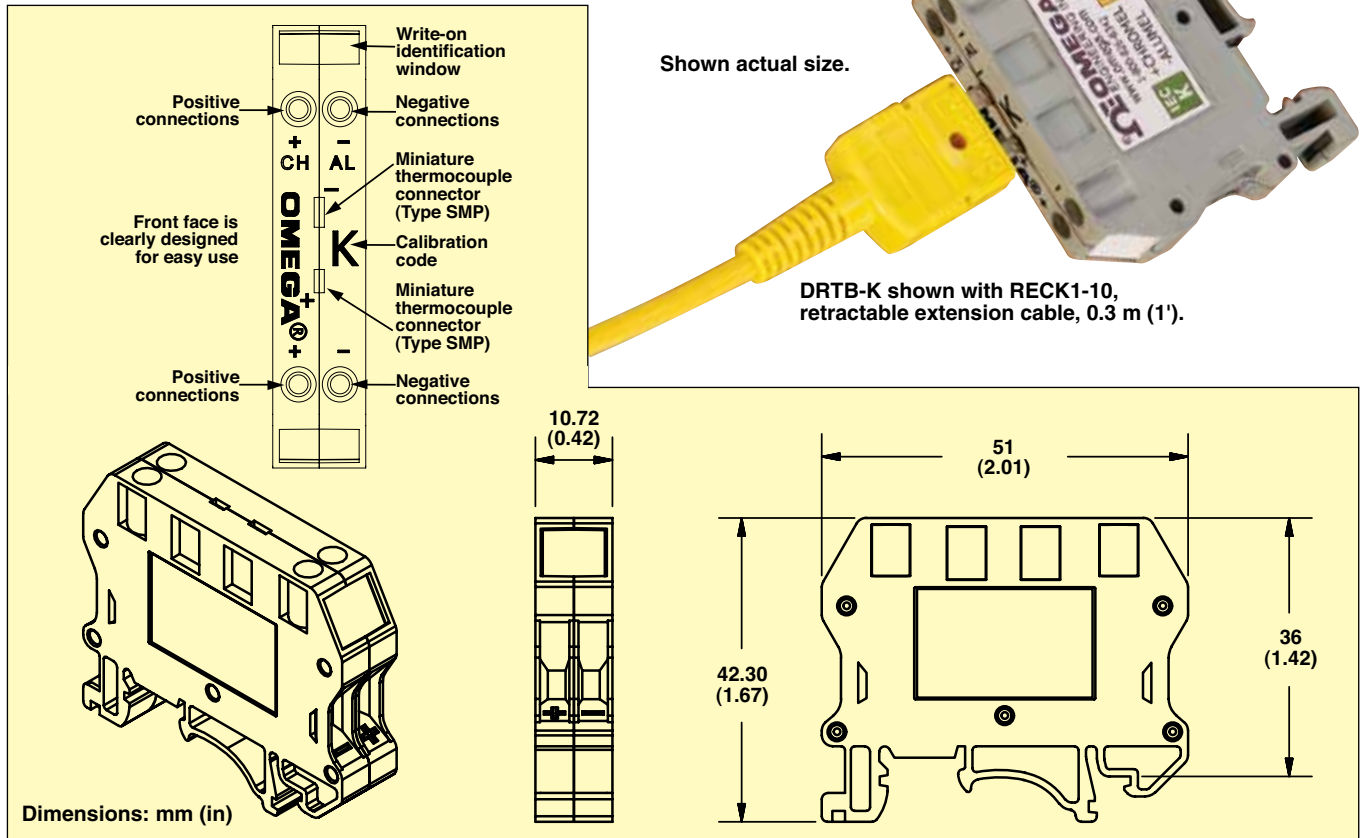
The plastic housing is made from gray polyamide 6.6 thermoplastic resin with a UL 94 V0 rating for 85°C. These

thermocouple terminal blocks are fully enclosed and require no end plates. The screws and clamps are zinc plated, and together they provide an excellent vibration, maintenance free and corrosion resistant connection.

DRTB terminal blocks mount on standard 35 mm DIN rails or 32 mm G-type rails, and are identified with calibration type and positive (+) and negative (-) connections. Wire entry is funneled to allow quick wire insertion even with stranded wire.

### SPECIFICATIONS

- Terminal Width:** 10.7 mm (0.422")
- Terminal Length/Height:** 51 mm (2.008")/42.3 mm (1.666")
- Installed Height to 35 x 7.5 mm/ 35 x 15 mm DIN Rail:** 43.5 mm (1.713")/51 mm (2.009")
- Maximum Wire Size:** 12 AWG/2.5 mm<sup>2</sup>
- Stripping Length:** 8 mm (0.31")
- Torque in Nm (in-lb):** 0.4 (3.54) ±10%
- Temperature Rating:** -40 to 85°C (-40 to 185°F)



To Order			
MODEL NO.	CALIBRATION ALLOY CODE	COMPENSATING ALLOYS	
		+	-
DRTB-K	K	CHROMEGA®	ALOMEGA®
DRTB-T	T	Copper	Constantan
DRTB-J	J	Iron	Constantan
DRTB-E	E	CHROMEGA®	Constantan
DRTB-N	N	OMEGA-P®	OMEGA-N®
DRTB-U	U	Copper	Copper
DRTB-R/S	R/S	Copper	RNX/SNX

## ACCESSORIES

MODEL NO.	DESCRIPTION
DRTB-RAIL-3575	DIN rail, 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6'), slotted
DRTB-RAIL-3575-S	DIN rail, 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6'), solid
DRTB-RAIL-3515	DIN rail, 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6'), slotted
DRTB-RAIL-3515-S	DIN rail, 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6'), solid
DRTB-WINDOW-10	Replacement write-on window for DRTB terminal blocks, pkg 10
HH506RA	Dual input, high accuracy datalogger and thermometer with RS232C interface and software
REC(*)1-10	Retractable extension cable with 2 SMP miniature male connectors, 0.3 m (1') (expands to 1.5 m (5'))
REC(*)4-10	Retractable extension cable with 2 SMP miniature male connectors, 1.2 m (4') (expands to 6.1 m (20'))

(\*) Specify thermocouple calibration: J, K, T or E

Ordering Example: DRTB-K, Type K thermocouple terminal block for DIN rail mounting with RECK1-10, Type K, 0.3 m (1') retractable extension cable.