

SALES BULLETIN UPDATE

New TCC-NET BMS Interface

- **RBC-TSI1**

*****Available Q3 or when RBC-FDP3-PE is exhausted*****

TOSHIBA are pleased to announce the New TCC NET BMS interface RBC-TSI1 to join the Toshiba controls line up.

1. Unit Line-Up

- RBC-TSI1

2. Applicable Systems

- a. VRF
- b. Light Commercial
- c. VN Ventilation units



3. Availability

Height = 107mm (with terminal blocks) - Width = 107mm - Depth = 33mm

Available end Q3 or when RBC-FDP3-PE stock is exhausted

4. Features

- Direct connection to TCC-NET 2-wire A/B network
- Six analogue inputs selectable as voltage or resistance
- Run/error indication
- RS-485 connection
- Monitoring & control via serial Modbus
- Modbus address range 1 to 254
- Up to 16 units may be operated in a Master/Follower configuration
- Several modes of operation including special modes for energy saving and hotel applications
- Up to 8 units on a single link providing detailed information from each unit.

5. Analogue Input Settings

Setpoint, Lo-Setpoint, Hi-Setpoint, [Un]Occ SP, Occ SP Min, Occ SP Max

Resistance KΩ	<=0.4	1.1	1.8	2.5	3.2	3.9	4.6	5.4	6.1	6.8	7.5	8.2	8.9	9.6	>200
Voltage V	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.5	7.1	7.8	8.4	9.0	9.7	<1.0
SP (deg C)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*21

Mode, Fan Speed, Air Direction, [Un]Occ MD, Occ Fan speed, VN Mode, VN Fan speed, Lock

Resistance KΩ	<=1.1	2.2	3.3	4.7	6.8	9.6	15	>200
Voltage V	1-1.75	3.25	4.75	6.25	7.75	9.26	10.0	<1.0
5	AUTO {0}	LOW {1}	MED {2}	HIGH {3}	HIGH {3}	HIGH {3}	HIGH {3}	*AUTO {0}
MD	AUTO {0}	HEAT {1}	FAN {2}	COOL {3}	DRY {4}	DRY {4}	DRY {4}	*AUTO {0}
AD	STOP {0}	Swing {1}	0 Deg {2}	22 Deg {3}	45 Deg {4}	68 Deg {5}	90 Deg {6}	*Swing {1}
Lock	SP, FS, MD, LV & IO {0}	SP, MD & IO {1}	MD & IO {2}	IO {3}	Local {4}	Unlock {5}	Unlock {5}	*Unlock {5}
VN-FS	LOW {1}	LOW {1}	HIGH {3}	HIGH {3}	HIGH {3}	HIGH {3}	HIGH {3}	*LOW {1}
VN-MD	AUTO {0}	Heat Exch. {5}	By-Pass {6}	By-Pass {6}	By-Pass {6}	By-Pass {6}	By-Pass {6}	*AUTO {0}

On/Off, Restart, Occupied/Unoccupied

Resistance KΩ	>5.0	<1.0
Voltage V	<3.5	>6.5
I/O	*Off	On
Restart	*Idle	Active
Occupation	*Unoccupied	Occupied

*Indicates default value with open circuit input or < 1.0v

6. Available Modes

- a. Standard operation with the facility to interconnect up to 16 units as a Master/Follower group
 - b. Pre-set mode operation
 - c. Local/Restore mode
 - d. Duty/Standby operation
 - e. Eco-1 (Timed Fan)
 - f. Eco-2 (Fan Band)
 - g. Hotel Mode (occupied/un-occupied)
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- Mode a. applies to fan coils and VN units
 - Modes b.-g. only apply to fan coil units
 - Fan coils and VN units cannot be mixed on the same A/B network or in a Master/Follower group

For further information please contact our customer support team on 0870 843 0333, your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - general.enquiries@toshiba-ac.com