

Date: October 13, 2004
To: Those listed
Issued by: C. C. Chang, International Business Department
Subject: SDC25/26, SDC35/36 Functional Enhancements
Purpose: To announce functional enhancements for the SDC25/26 and SDC35/36

Enhanced functions:

(1) CT turn/threading setup

Setting for number of CT turns:

A CT with a different number of turns (default: 800 turns) is connectable. When using a CT with many turns, a large current can be measured.

Target market: Heat treatment equipment market
(Large current applications of more than 50A)

Setting for amount of CT threading:

For measuring a small current, the current wire is multiply threaded with the CT. By setting the threading number, the direct current value can be indicated.

Target market: Semiconductor equipment market
(Small current applications)

(2) 0.1°C display (PV range of K type, 0 to 800°C)

PV display to the first decimal place is supported for the K type thermocouple, 0 to 800°C range (Range No. 3).

(3) Motor Feedback (MFB) event type

MFB is added to the event type for the position proportional model.

Target markets: Furnace/oven market, air conditioning market
(MFB event has been requested.)

(4) Variable RSP range for cascade control (4 to 20mA output)

In cascade control, the RSP level can be changed depending on the master SP/PV. Controllability is improved in applications where the master SP is changed within a broad range.

Added output types:

SP+MV: $SP+(MV-50.0)/100.0 \times \text{Output band (0 to 9999)}$

PV+MV: $PV+(MV-50.0)/100.0 \times \text{Output band (0 to 9999)}$

Target equipment:

CVD, firing furnaces, reaction vessels, NMR, driers

Applicable date:

Product: Shipment after July 2004

Loader: Ver. 2.0.3 or later

- Added functions cannot be used for products before this date.
- Added functions cannot be set by loader versions earlier than this one. They can be set by product key operations.