# The Specification of FBs-BDAP Data Access Board

The function of the data access board (FBs-BDAP) is mainly used for displaying and setting of the calendar time and discrete and register data of PLC. For the discrete elements, user can perform the disable or enable function also can set or reset its state. For the registers, the contents can be set and displayed in unsigned or signed decimal format and hexadecimal format. This unit should be mounted on the PLC main unit while install.

Functional Specifications-

Feature	Description
Calendar Function*$_1$	
Display	Display current Year, Month, Date, Hour and minute data
Setting	Set Year, Month, Date, Hour and minute data
Status Display Function	
Discrete Element	Display the state and enable/disable status of X,Y,M,S element
16 bit Register	Display the current value of T, C, D, R, F register. Three display formats (unsigned/signed/hexadecimal) can be chosen.
32 bit Register	Display the current value of C, D, R, F register. Three display formats (unsigned/signed/hexadecimal) can be chosen.
Force On/Off Function	Force the state of X, Y, M, S to be On or Off
Disable/Enable Function	Control the state of X, Y, M, S to be enabled or disabled
Register Content Modification Function	
16 bit Register	Modify the current value of T, C, D, R, F register. Three display formats (unsigned/signed/hexadecimal) can be chosen.
32 bit Register	Modify the current value of C, D, R, F register. Three display formats (unsigned/signed/hexadecimal) can be chosen.
Setting and Display of PLC Station Number Function	Display and set the PLC station number.
Force PLC Run/Stop Function	Force the PLC to run or stop logic solving and I/O service.

*$_1$: The PLC main unit must be of calendar built-in type.

LCD Screen Legend:
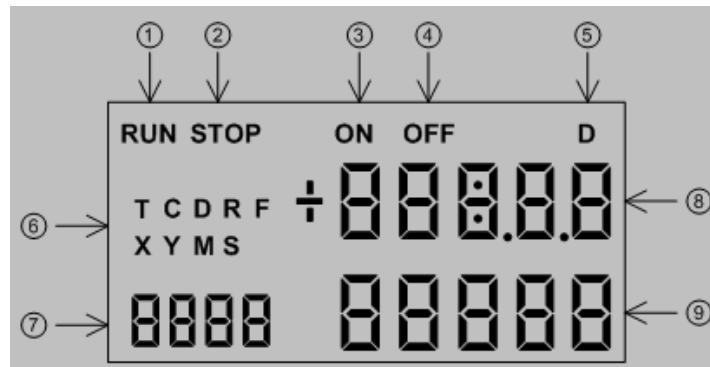
① "RUN" indicator. When the PLC is in running state, this symbol will be appeared.

② "STOP" indicator. When the PLC is in stop state, this symbol will be appeared.

③ "ON" indicator. When the selected element is Timer or Counter, this symbol will be appeared when the corresponding state is on.

④ "OFF" indicator. When the selected element is Timer or Counter, this symbol will be appeared when the corresponding state is off.

⑤ "D" indicators. When the selected element is 32 bit register, the "D" symbol will be appeared.

⑥ Element symbols for selection. There are nine element types can be chosen, those are T, C, D, R, F, X, Y, M and S.

⑦ Reference number or year display, The sequence number of the selected element or the year part of the calendar.

⑧ Value display or hour and minute display. For 16 bit register, it represents the current value of 16 bit content. For 32 bit register, it represents the portion of the number above 5th digit (million) in decimal or MSB word in hexadecimal format. It also represents the state of discrete element or hour and minute part of the calendar.

⑨ Value display or month and day display. For 32 bit register, it represents the lower 5 digit portion of the number in decimal or LSB word in hexadecimal format. It also represents the enable/disable state of discrete element or month and day part of the calendar.

Operation Key Pad: 6 keys in total

ESC **:** Escape Key(Back to upper level)

OK **:** OK Key

− **:** "−" Key

+ **:** "+" Key

→ **:** "→" key(Right shift)

← **:** "←" key(Left shift)