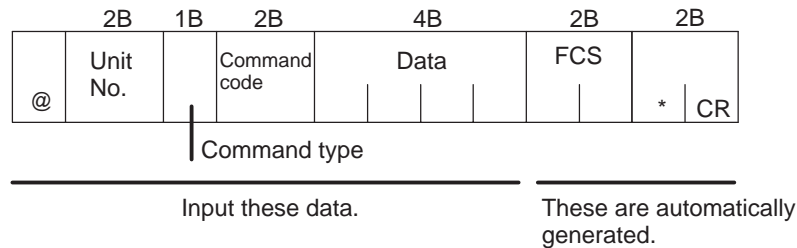


# Program Example

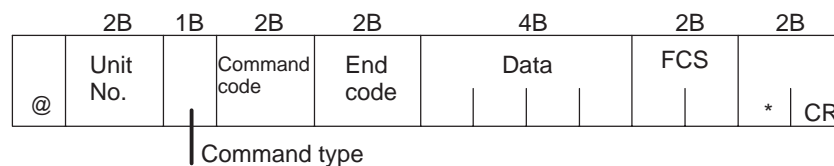
## How to use programs

The program described below obtains corresponding response frame data when some of the command frame data is input.

The input format is as follows. The FCS and terminator are automatically generated, and need not be input.



The output format is as follows. The content of the response frame is displayed as it is.



## Procedure

- (1) Read the program.
- (2) Enter "RUN".
- (3) When "send data:" is displayed, enter the command data (from @ to the command string).
- (4) The content of the response frame is displayed following "receive data:".

## Conditions when running a program

- Set the communications conditions as follows:
  - Baud rate : 9600 bps
  - Bit length : 7 bits
  - Parity : Even
  - Stop bit : 2
- Make sure that the communications cable is properly connected.

## Program list (language: IBM PC Compatible Machine)

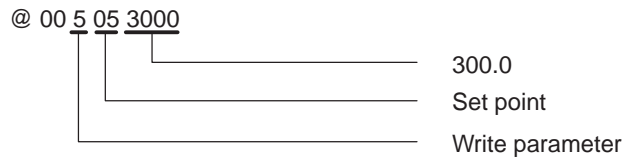
```
1000 '-----
1010 ' PROGRAM : E5EK-T COMMUNICATION PROGRAM
1020 '----- FOR IBM PC COMPATBLE MACHINE
1050 '-----
1060 '----- Default RS-232C SPEED: 9600BPS, PARITY: EVEN, DATA: 7, STOP: 2 ---
1070 OPEN "COM: E73" AS #1
1080 *REPEAT
1090 '-----Enter send data -----
1100 INPUT "send data : " , SEND$
1110'----- FCS calculation -----
1120 FCS=0
1130 FOR IFCS=1 TO LEN (SEND$)
1140 FCS=FCS XOR ASC (MID$ (SEND$, IFCS, 1))
1150 NEXT
1160 FCS$=RIGHT$ ("0"+HEX$ (FCS), 2)
1170 '----- Execute communications -----
1180 ZZZ$=SEND$+FCS$+"*"+CHR$ (13)
1190 PRINT #1, ZZZ$;
1120'----- Check response -----
1210 RECCNT=0: TMP$=""
1220 *DRECLOOP:
1230 IF LOC (1) < > 0 THEN DREC1
1240 RECCNT=RECCNT+1
1250 IF RECCNT=5000 THEN *DRECERR ELSE DRECLOOP
1260 *DREC1
1270 TMP$=TMP$+INPUT$ (LOC (1), #1)
1280 IF RIGHT$ (TMP$, 1)=CHR$ (13) THEN *DRECEND
      ELSE RECCNT=0: GOTO *DRECLOOP
1290 *DRECERR
1300 TMP$="No response !!" +CHR$ (13)
1310 *DRECEND
1320 RECV$=TMP$
1330 PRINT "receive data : " ; RECV$
1340 '----- Repeat to make Command -----
1350' GOTO *REPEAT
1360 '----- END -----
1370 CLOSE #1
1380 END
```

## Examples of use

- Set the unit No. to “00”.
- In the following examples, data is shown in individual blocks to make the examples easier to understand. However, when actually creating programs, do not leave spaces between frame items. Also, response are displayed without spaces between frame items.

### Set the set point to “300.0”

- Input data

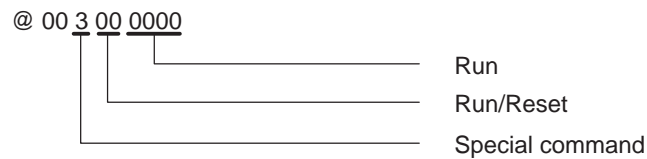


- Response



### Start running

- Input data

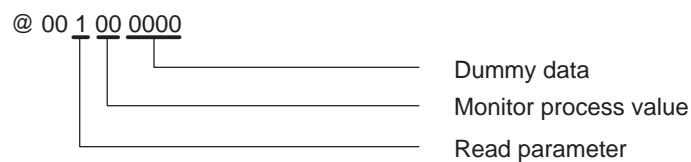


- Response



### Monitor process value

- Input data



- Response

