

How to give block command in PSE8.2



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User's manual details (PowerSCADA Expert 8.2 Help Manual (SI guide))

Block Writes

Block writes represent blocks of registers that are updated in a single write operation. There are two types of block writes:

- **fixed:** fully specified and compiled before run time. Writing the value of '1' to such a variable tag causes the specified fixed values to be written to the specified registers.
- **variable:** specified on the fly. The registers and the values to be written are not fixed; they are specified during run time by the user.

Fixed block writes have the following format:

```
T:BWF;[D:{B|C|M|P};]S:<start_register>,<values>
```

where

B, C, M, or P are applicable only to Micrologic devices (otherwise the D: section is omitted) and is the module (manager) identifier (Circuit Breaker, Chassis, Metering, Protection).

<start_register> is the first register number for a contiguous block of registers.

<values> is a comma-separated list of up to 10 values that will be written to the registers starting from <start_register>.

For example:

```
T:BWF;S:100,1,2,3,4,-5
```

Variable block writes have the following format:

where

B, or C, or M, or P is applicable only to Micrologic devices (otherwise the D: section is omitted altogether) and is the module (manager) identifier (Circuit Breaker, Chassis, Metering, Protection)

For example:

```
T:BWV;
```

The start register and the values to be written follow exactly the same rules and syntax as the definition for the Fixed Block Write, however, these are specified at the time the write operation is performed. For example, specifying "S:100,1,2,3,4,-5" as the write value for the tag "T:BWV;" would write values 1,2,3,4, and -5 to the registers 100, 101, 102, 103, and 104.

Create a variable string for that device

Variables

Row	Equipment	Item Name	Tag Name	Cluster Name	I/O Device	Data Type	Address	Comment	Eng Zero Scale	Eng Full Scale	Project
1	PM5560_69		PM5560\XCBR1\DOCMD	c1	PM5560	STRING	T:BWV;	Output Registers			PSOL_LAB_VM

Create a cicode to pass a complete string to this variable

```
FUNCTION PM5KCommandON()  
  
IF PM5560\XCBR1\DO1=1 THEN  
PM5560\XCBR1\DOCMD="S:5250,6002,0,1";  
ELSE  
PM5560\XCBR1\DOCMD="S:5250,6003,0,1";  
END  
  
END
```

Use a button in runtime to execute command.

Note: You can also pass these string directly from runtime using appropriate command type in Graphical editor

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