

# *StreamDevice: bo Records*

## Normal Operation

Depending on the format type, different record fields are used for output and input. The variable  $x$  stands for the written or read value.

DOUBLE format (e.g.  $\%f$ ):  
Not allowed.

LONG format (e.g.  $\%i$ ):

Output:  $x=RVAL$

Input:  $RBV=x\&MASK$

$MASK$  can be set in the record definition. Stream Device does not set it. If  $MASK==0$ , it is ignored (i.e.  $RBV=x$ ).

ENUM format (e.g.  $\%\{$ ):

Output:  $x=VAL$

Input:  $VAL=(x!=0)$

STRING format (e.g.  $\%s$ ):

Output: Depending on  $VAL$ ,  $ZNAM$  or  $ONAM$  is written, i.e.  $x=VAL?ONAM:ZNAM$ .

Input: If input is equal to  $ZNAM$  or  $ONAM$ ,  $VAL$  is set accordingly. Other input strings are not accepted.

## Initialization

During initialization, the `@init` handler is executed, if present. In contrast to normal operation, LONG input is put to  $RVAL$  as well as to  $RBV$  and converted by the record.

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