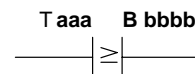


Comparative Boolean Instructions

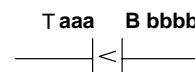
Store If Greater Than or Equal To Timer (STR TMR) DL330P Only

The Store If Greater Than or Equal To instruction begins a new rung or additional branch in a rung with a normally open comparative timer contact. The contact will be on if the specified timer T aaa \geq B bbbb.



Store Not IF Greater Than Timer (STR NOT TMR) DL330P Only

The Store Not If Greater Than instruction begins a new rung or additional branch in a rung with a normally closed comparative timer contact. The contact will be on if the specified timer T aaa < B bbbb.



Operand Data Type		D3-330 Range		D3-340 Range		D3-330P Range	
B		aaa	bbbb	aaa	bbbb	aaa	bbbb
Timers	T	—	—	—	—	600-677	—
Data registers	R	—	—	—	—	—	400-577
Constant	K	—	—	—	—	—	0-9999

In the following Store If Greater Than or Equal To example, when T602 \geq the value 1538 the contact will turn on and output 014 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

STR TMR SHF 6 0 2 ENT
SHF 1 5 3 8 ENT
OUT SHF 1 4 ENT

In the following Store Not If Greater Than example, when T602 < the value in R404 the contact will turn on and output 020 will energize.

DirectSOFT Display

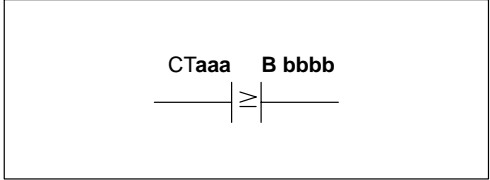


Handheld Programmer Keystrokes

STR NOT TMR SHF 6 0 4 ENT
R 4 0 4 ENT
OUT SHF 2 0 ENT

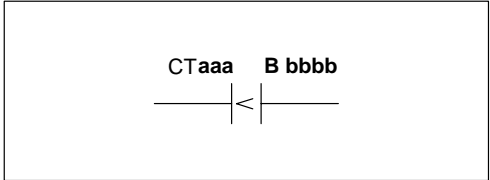
Store If Greater Than or Equal To Counter (STR CNT)
DL330P Only

The Store If Greater Than or Equal To instruction begins a new rung or additional branch in a rung with a normally open comparative counter contact. The contact will be on if the specified counter CT aaa \geq B bbbb.



Store Not If Greater Than Counter (STR NOT CNT)
DL330P Only

The Store Not If Greater Than instruction begins a new rung or additional branch in a rung with a normally closed comparative counter contact. The contact will be on if the specified counter CT aaa $<$ B bbbb.



Operand Data Type		D3-330 Range		D3-340 Range		D3-330P Range	
		aaa	bbbb	aaa	bbbb	aaa	bbbb
Counters	CT	—	—	—	—	600-677	—
Data registers	R	—	—	—	—	—	400-577
Constant	K	—	—	—	—	—	0-9999

In the following Store If Greater Than or Equal To example, when CT602 \geq the value in R404 the contact will turn on and output 014 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

STR CNT SHF 6 0 2 ENT
R 4 0 4 ENT
OUT SHF 1 4 ENT

In the following Store Not If Greater Than example, when CT602 $<$ the constant value 4620 the contact will turn on and output 020 will energize.

DirectSOFT Display

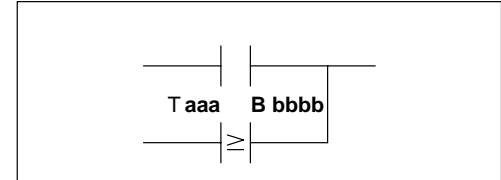


Handheld Programmer Keystrokes

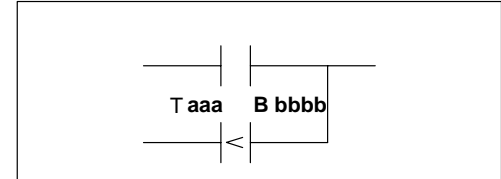
STR NOT CNT SHF 6 0 2 ENT
SHF 4 6 2 0 ENT
OUT SHF 2 0 ENT

**Or If Greater Than
or Equal To Timer
(OR TMR)
DL330P Only**

The Or If Greater Than or Equal To instruction connects a normally open comparative timer contact in parallel with another contact. The contact will be on if the specified timer $T\ aaa \geq B\ bbbb$.

**Or Not If Greater
Than Timer
(OR NOT TMR)
DL330P Only**

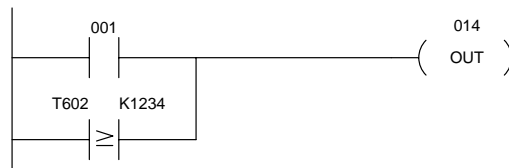
The Or Not If Greater Than instruction connects a normally closed comparative timer contact in parallel with another contact. The contact will be on if the specified timer $T\ aaa < B\ bbbb$.



Operand Data Type		D3-330 Range		D3-340 Range		D3-330P Range	
	B	aaa	bbbb	aaa	bbbb	aaa	bbbb
Timers	T	—	—	—	—	600-677	—
Data registers	R	—	—	—	—	—	400-577
Constant	K	—	—	—	—	—	0-9999

In the following Or If Greater Than or Equal To example, when input contact 001 is on or $T602 \geq$ the value 1234 the contact will turn on and output 014 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

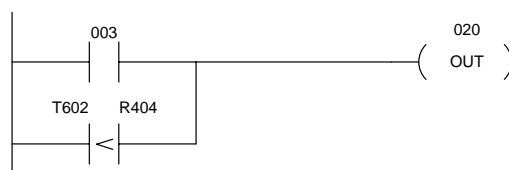
```

STR SHF 1 ENT
OR TMR SHF 6 0 2 ENT
SHF 1 2 3 4 ENT
OUT SHF 1 4 ENT

```

In the following Or Not If Greater Than example, when input contact 003 is on or $T602 <$ the value in R404 the contact will turn on and output 020 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

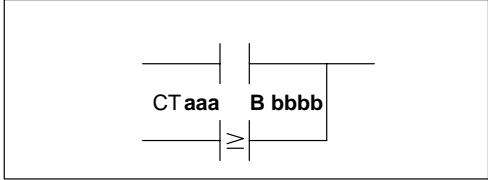
```

STR SHF 3 ENT
OR NOT TMR SHF 6 0 2 ENT
R 4 0 4 ENT
OUT SHF 2 0 ENT

```

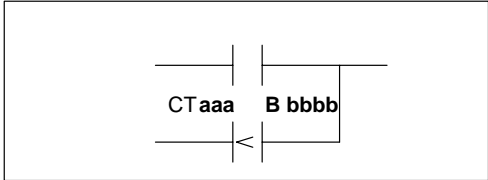
**Or If Greater Than
or Equal
To Counter
(OR CNT)
DL330P Only**

The Or If Greater Than or Equal To instruction connects a normally open comparative counter contact in parallel with another contact. The contact will be on if the specified counter CT aaa \geq B bbbb.



**Or Not If Greater
Than Counter
(OR NOT CNT)
DL330P Only**

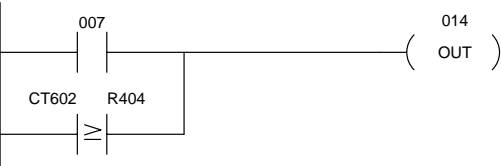
The Or Not If Greater Than instruction connects a normally closed comparative counter contact in parallel with another contact. The contact will be on if the specified counter CT aaa $<$ B bbbb.



Operand Data Type		D3-330 Range		D3-340 Range		D3-330P Range	
	B	aaa	bbbb	aaa	bbbb	aaa	bbbb
Counters	CT	—	—	—	—	600-677	—
Data registers	R	—	—	—	—	—	400-577
Constant	K	—	—	—	—	—	0-9999

In the following Or If Greater Than or Equal To example, when input contact 007 is on or CT602 \geq the value in R404 the contact will turn on and output 014 will energize.

DirectSOFT Display

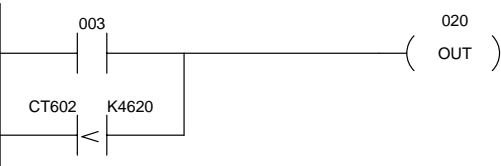


Handheld Programmer Keystrokes

STR SHF 7 ENT
OR CNT SHF 6 0 2 ENT
R 4 0 4 ENT
OUT SHF 1 4 ENT

In the following Or Not If Greater Than example, when input contact 003 is on or CT602 $<$ the constant value 4620 the contact will turn on and output 020 will energize.

DirectSOFT Display

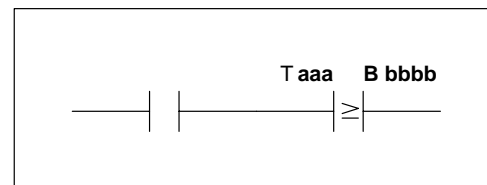


Handheld Programmer Keystrokes

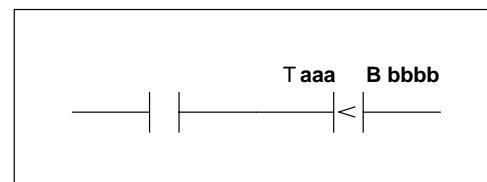
STR SHF 3 ENT
OR NOT CNT SHF 6 0 2 ENT
SHF 4 6 2 0 ENT
OUT SHF 2 0 ENT

**And If Greater Than or Equal To Timer (AND TMR)
DL330P Only**

The And If Greater Than or Equal To instruction connects a normally open comparative timer contact in series with another contact. The contact will be on if the specified timer T aaa \geq B bbbb.

**And Not If Greater Than Timer (AND NOT TMR)
DL330P Only**

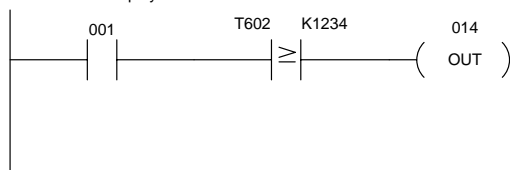
The And Not If Greater Than instruction connects a normally closed comparative timer contact in series with another contact. The contact will be on if the specified timer T aaa $<$ B bbbb.



Operand Data Type		D3–330 Range		D3–340 Range		D3–330P Range	
B		aaa	bbbb	aaa	bbbb	aaa	bbbb
Timers	T	—	—	—	—	600–677	—
Data registers	R	—	—	—	—	—	400–577
Constant	K	—	—	—	—	—	0–9999

In the following And If Greater Than or Equal To example, when input contact 001 is on and $T602 \geq$ the value 1234 the contact will turn on and output 014 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

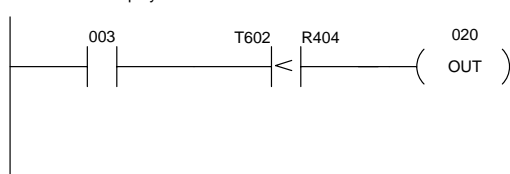
```

STR SHF 1 ENT
AND TMR SHF 6 0 2 ENT
SHF 1 2 3 4 ENT
OUT SHF 1 4 ENT

```

In the following Store Not If Greater Than example, when input contact 003 is on and $T602 <$ the value in R404 the contact will turn on and output 020 will energize.

DirectSOFT Display



Handheld Programmer Keystrokes

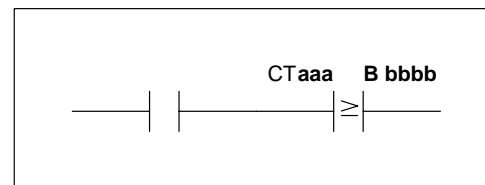
```

STR SHF 3 ENT
AND NOT TMR SHF 6 0 2 ENT
R 4 0 4 ENT
OUT SHF 2 0 ENT

```

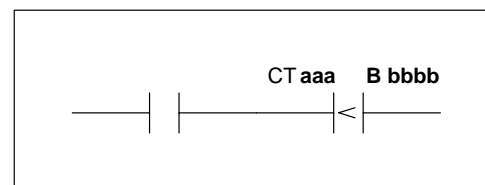
And If Greater Than or Equal To Counter (AND CNT)
DL330P Only

The And If Greater Than or Equal To instruction connects a normally open comparative counter contact in series with another contact. The contact will be on if the specified counter CT aaa \geq B bbbb.



And Not If Greater Than Counter (AND NOT CNT)
DL330P Only

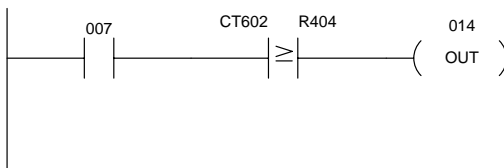
The And Not If Greater Than instruction connects a normally closed comparative counter contact in series with another contact. The contact will be on if the specified counter CT aaa $<$ B bbbb.



Operand Data Type		D3-330 Range		D3-340 Range		D3-330P Range	
	B	aaa	bbbb	aaa	bbbb	aaa	bbbb
Counters	CT	—	—	—	—	600-677	—
Data registers	R	—	—	—	—	—	400-577
Constant	K	—	—	—	—	—	0-9999

In the following Or If Greater Than or Equal To example, when input contact 007 is on and CT602 \geq the value in R404 the contact will turn on and output 014 will energize.

DirectSOFT Display

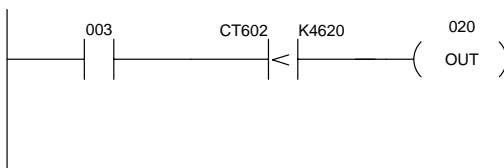


Handheld Programmer Keystrokes

STR SHF 7 ENT
AND CNT SHF 6 0 2 ENT
R 4 0 4 ENT
OUT SHF 1 4 ENT

In the following Or Not If Greater Than example, when input contact 003 is on and CT602 $<$ the constant value 4620 the contact will turn on and output 020 energize.

DirectSOFT Display



Handheld Programmer Keystrokes

STR SHF 3 ENT
AND NOT CNT SHF 6 0 2 ENT
SHF 4 6 2 0 ENT
OUT SHF 2 0 ENT