

STANDARD
GUARD SWITCH

TERMINALS ON
DENSTEP
CONTROL BOARD
SEE SHEET 4

78

[34]

GUARD
SWITCH

[33]

77

9

Wiring diagram for the Spindle Drive section:

- SGR (14) SPINDLE DRIVE TERMINAL 4**: Connected to terminals 86, 84, and 87.
- POWER TO ATC MOTOR**: Connected to terminals 37, 33, and 31.
- E - STOP CONTACT 2**: Connected to terminals 32 and 31.
- 61 24v**: Power source for the E-STOP CONTACT 2.

CE BADGING WITH GUARDMASTER (OPTION)

TERMINALS ON
DENSTEP
CONTROL BOARD
SEE SHEET 4

42 WAY CONNECTOR DETAILS
SEE SHEET 7

11

78

[34]

GUARD
CONTACT 1

[33]

77

9

24v
61

[36]

GUARD
CONTACT 2

[35]

85

(2)

GR
GUARD RELAY

(7)

60
0v

GIR CONTACT
ARRANGEMENT

GIR

4

2

3

5+

1-

90

89

ZS 87

- 24 88

TERMINALS ON
SPINDLE DRIVE

(GIR)
(COIL)

60
0v

[38]

GUARD
SOLENOID

[37]

[32]

E - STOP
CONTACT 2

[31]

61
24v

14)

LE DRIVE
NAL 4
HEET 6

FROM F3

R TO
MOTOR
HEET 1

14)

LE DRIVE
NAL 4
SHEET 6

FROM F3

R TO
MOTOR
SHEET 1

60
0v

(7)

4
2
3
5+
1-

90
89

32
31

E - STOP
CONTACT 2

61
24v

TERMINALS ON
SPINDLE DRIVE

(GIR)
(COIL)

14)

LE DRIVE
NAL 4
SHEET 6

FROM F3

R TO
MOTOR
SHEET 1

60
0v

(7)

4
2
3
5+
1-

90
89

32
31

E - STOP
CONTACT 2

61
24v

TERMINALS ON
SPINDLE DRIVE

(GIR)
(COIL)

POWER GUARD SWITCH WIRING (OPTION)

TERMINALS ON
SMART - STEP
CONTROL BOARD
SEE SHEET 4

78

[B2]

GUARD
CLOSED SWITCH

[B3]

77

9

TERMINALS ON
SMART - STEP
CONTROL BOARD
SEE SHEET 4

2

105

[B4]

GUARD FULLY
OPEN SWITCH

[B5]

106

3

» 15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL
GUARD INTERLOCK
CIRCUIT

SHEET 11

NOVAMILL

DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

106

2

3

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY OPEN SWITCH

[B5]

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15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
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[B4]

GUARD FULLY OPEN SWITCH

[B5]

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15 WAY
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SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP

CONTROL BOARD
SEE SHEET 4

105

[B4]

GUARD FULLY
OPEN SWITCH

[B5]

106

3

2

15 WAY
CONNECTOR
SEE SHEET 12

NOVAMILL GUARD INTERLOCK CIRCUIT	SHEET 11
	NOVAMILL
	DENSTEP