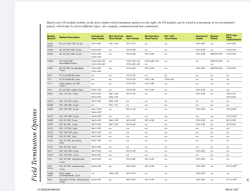


FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

9563-810

Digital input termination panel



|          |                                  |
|----------|----------------------------------|
| PRODUCT  | 9563-810                         |
| FAMILY   | Triconex safety system           |
| FUNCTION | Digital input termination panel  |
| STATUS   | Verify exact installed equipment |

Prepared by Amikon Limited from Triconex documentation. This guide supplements the complete manufacturer manual and site procedure.

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## CONFIRM THE ORDERED CONFIGURATION

|                           |                                   |
|---------------------------|-----------------------------------|
| Component Type            | Digital input termination panel   |
| Order Reference           | 9563-810                          |
| System Platform           | Triconex safety control system    |
| Primary Function          | Terminates grouped digital inputs |
| Channel or Port Capacity  | 32 input points                   |
| Electrical Classification | 24 VAC or VDC field signals       |

02

## PREPARATION AND CONNECTION

- Confirm the complete 9563-810 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

## OFFICIAL INSTALLATION REFERENCE

Match your I/O module number in the first column with termination options on the right. An I/O module can be wired to a maximum of two termination panels, which may be of two different types—for example, commoned and non-commoned.

Field Termination Options

| Module Model # | Module Description                       | Commoned Term Panels                             | Non-Common. Term Panels | Basic Term Panels                | Nonincendive Term Panels | RG 1.180 Term Panels | Fanned-out Cables | Bypass Panels | ERT Loop-Back Cables/Panels |
|----------------|------------------------------------------|--------------------------------------------------|-------------------------|----------------------------------|--------------------------|----------------------|-------------------|---------------|-----------------------------|
| 3501E<br>3501T | DI, 115 VAC/VDC, 32 pts.                 | 9561-810F                                        | 9561-110F               | 9551-110F                        | n/a                      | n/a                  | 9101-010F         | n/a           | 9141-010F                   |
| 3502E          | DI, 48 VAC/VDC, 32 pts.                  | 9562-810F                                        | n/a                     | 9552-610F                        | n/a                      | n/a                  | 9101-010F         | n/a           | 9142-010F                   |
| 3503E          | DI, 24 VAC/VDC, 32 pts.                  | 9563-810F<br>9563-910F                           | n/a                     | 9553-610F                        | 9572-610F                | n/a                  | 9101-010F         | BP9228-010F   | 9143-010F                   |
| 3504E          | DI, 24/48 VDC, non-isolated, 64 pts.     | 9566-810F, 24V<br>9565-810F, 48V                 | n/a                     | 9750-310F, 24V<br>9750-410F, 48V | 9570-610F, 24V<br>n/a    | n/a                  | n/a               | BP9229-010F   | n/a                         |
| 3505E          | DI, 24 VDC, low threshold, 32 pts.       | 9563-810F<br>9563-910F                           | n/a                     | 9553-610F                        | 9572-610F                | n/a                  | 9101-010F         | BP9228-010F   | 9143-010F                   |
| 3510           | PI, 20-20,000 Hz, 8 pts.                 | n/a                                              | n/a                     | 9753-110F                        | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3511           | PI, 20-20,000 Hz, 8 pts.                 | n/a                                              | n/a                     | 9753-110F                        | 9793-110F                | 9794-110F            | n/a               | n/a           | n/a                         |
| 3515           | Pulse totalizer, 24 VDC, 32 pts.         | n/a                                              | n/a                     | 9753-110F                        | 9572-610F                | n/a                  | n/a               | n/a           | n/a                         |
| 3564           | DI, 24 VDC, single, 64 pts.              | 9566-710F                                        | n/a                     | 9553-610F                        | 9571-610F                | n/a                  | 9101-010F         | n/a           | n/a                         |
| 3601E          | DO, 115 VAC, 16 pts.                     | 9661-610F<br>9663-610F                           | 9661-110F<br>9664-110F  | 9651-110F                        | n/a                      | n/a                  | 9101-010F         | n/a           | 9670-110F<br>9670-610F      |
| 3601T          | DO, 115 VAC, 16 pts.                     | 9663-610F                                        | 9664-110F               | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3603B          | DO, 120 VDC, 16 pts.                     | n/a                                              | 9251-210                | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3603E          | DO, 120 VDC, 16 pts.                     | 9661-910F <sup>4</sup><br>9664-810F <sup>3</sup> | n/a                     | 9651-110F                        | n/a                      | n/a                  | 9101-010F         | n/a           | 9673-810F <sup>5</sup>      |
| 3603T          | DO, 120 VDC, 16 pts.                     | 9664-810F <sup>4</sup>                           | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | 9673-810F <sup>5</sup>      |
| 3604E          | DO, 24 VDC, 16 pts.                      | 9662-810F                                        | 9662-110F               | 9653-610F                        | 9671-610F                | n/a                  | 9101-010F         | n/a           | 9671-810F                   |
| 3607E          | DO, 48 VDC, 16 pts.                      | 9667-810F                                        | 9667-110F               | 9652-610F                        | n/a                      | n/a                  | 9101-010F         | n/a           | 9672-810F                   |
| 3611E          | DO, 115 VAC, 8 pts.                      | 9661-510F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3613E          | DO, 120 VDC, 8 pts.                      | 9661-810F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3614E          | DO, 24 VDC, 8 pts.                       | 9662-910F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3615E          | DO, 24 VDC, low power, 8 pts.            | 9662-710F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3617E          | DO, 48 VDC, 8 pts.                       | 9667-910F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3623           | DO, 120 VDC, 16 pts.                     | 9661-910F                                        | n/a                     | 9651-110F                        | n/a                      | n/a                  | 9101-010F         | n/a           | n/a                         |
| 3623T          | DO, 120 VDC, 16 pts.                     | 9664-810F                                        | n/a                     | n/a                              | n/a                      | n/a                  | n/a               | n/a           | n/a                         |
| 3624           | DO, 24 VDC, self-protected, 16 pts.      | 9662-610F                                        | n/a                     | 9653-610F                        | 9671-610F                | n/a                  | 9101-010F         | n/a           | n/a                         |
| 3625<br>3625A  | DO, 24 VDC, self-protected, 32 pts.      | 9662-610F                                        | n/a                     | 9653-610F                        | 9671-610F                | n/a                  | 9101-010F         | n/a           | 9671-810F <sup>6</sup>      |
| 3636R<br>3636T | Relay output (non-triplicated), 32 pts.  | n/a                                              | 9668-110F               | 9651-110F                        | n/a                      | n/a                  | 9101-010F         | n/a           | n/a                         |
| 3664           | Dual DO, 24 VDC, self-protected, 32 pts. | 9662-610F                                        | n/a                     | 9653-610F                        | 9671-610F                | n/a                  | 9101-010F         | n/a           | 9671-810F <sup>6</sup>      |

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## 04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

## 05 CONTROLLED DOCUMENT

|                 |                                |
|-----------------|--------------------------------|
| Official source | Tricon Technical Product Guide |
| Product record  | 9563-810                       |
| Manufacturer    | Triconex                       |
| Warranty        | 12 months from AMIKON          |
| Support         | INFO@AMIKON.CN                 |

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM