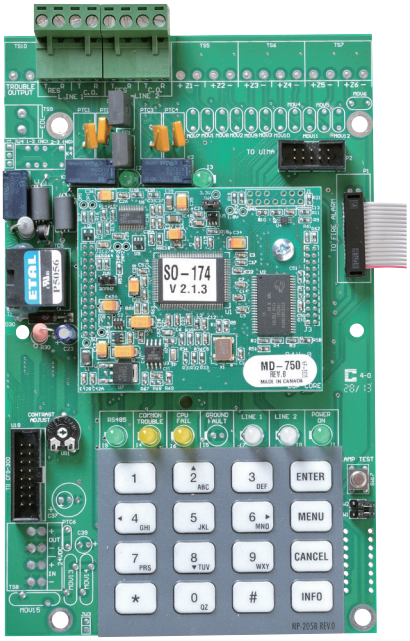
DIGITAL ALARM COMMUNICATOR/DIALER MODULE NK-AD-300



Description

The NK-AD-300 Digital Alarm Communicator Transmitter/Dialer Module allows Nittan's SPERA Series Fire Alarm Control Panels to transmit Alarm, Supervisory and Trouble information on two telephone lines to a monitoring facility.

The NK-AD-300 is powered by the host fire alarm control panel and communicates with the fire alarm control panel via an RS-485 data link. The Digital Communicator can be programmed for dual line operation and uses the Security Industry Association (SIA) and Ademco Contact ID reporting protocols.

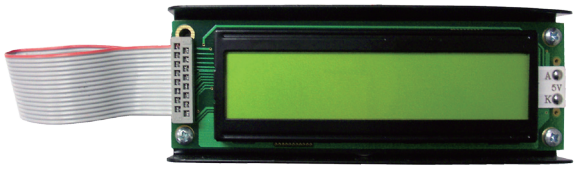
The NK-AD-300 can be configured locally via the on-board keypad and the CFG-300 Configuration Tool or with a UIMA programming tool and a computer with an available serial or USB port. In addition the NK-AD-300 can be remotely configured using a personal computer with a modem.

The NK-AD-300 can be configured for either DACT or UDACT operation. In DACT mode the Digital Communicator reports common alarm, trouble and supervisory information. In UDACT mode the Digital Communicator reports point specific information. In addition the NK-AD-300 is equipped with the ZDACT feature that allows for input circuits on the SPERA panel to be grouped into software zones for the purpose of reporting to a central monitoring station.

Features

- Communicates with Nittan's SPERA Series fire alarm control panels via an RS-485 data link
- Programmed to use the Ademco Contact ID and SIA-DCS reporting protocols
- Can be configured for DACT or UDACT mode of operation
- DACT mode transmits a common Alarm, Supervisory, Waterflow and Trouble information
- UDACT mode transmits point-specific Alarm, Supervisory, Waterflow, and Trouble information
- ZDACT feature allows for input circuits on the SPERA panel to be grouped into software zones so that the NK-AD-300 will report any individual event as a group event
- Reports either the circuit number or the combination of loop number and address when used with the SPERA Series
- Event number offset for output circuit numbers provides the ability for each circuit on an SPERA Series panel to have a unique circuit number transmitted to the monitoring station
- Override feature allows for the device type to be changed from the standard input type on the SPERA Series panel to a pre-defined input type that is sent to the monitoring station
- NK-AD-300 has the ability of disconnecting the incoming and outgoing calls and capturing the line for transmission to the Digital Alarm Communicator Receiver (DACR)
- Onsite or remote programming
- Onsite configurable with the on-board keypad and the CFG-300 Configuration Tool or using the UIMA Programming Tool and a computer with an available serial or USB port
- Remotely configurable via a Personal Computer with a modem (Configuration is passcode protected)
- Provides telephone line monitoring and reports status via LED indication on-board
- Provides event logs of 500 entries each to save events from local dialer or remote fire alarm panel
- Logs can be reviewed locally with the CFG-300 Configuration Tool or remotely via modem
- Continuously supervises the status of each of two connected telephone lines at approximately one minute intervals
- Mounts in a dedicated location in the SPERA Series main chassis

CFG-300 Configuration Tool

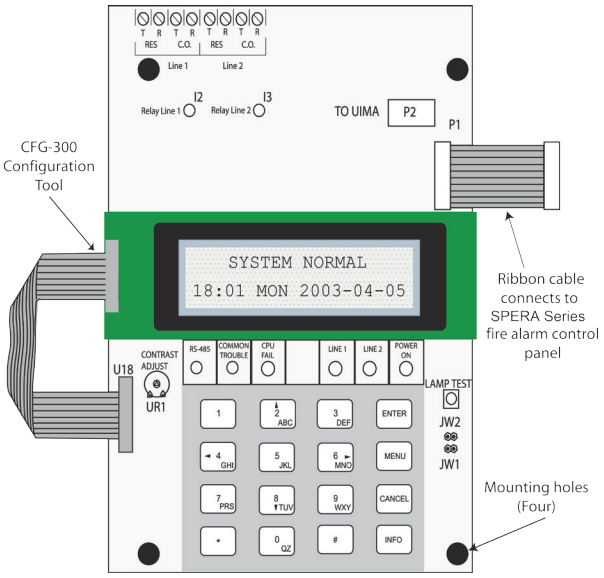


The CFG-300 Configuration Tool is required for onsite programming of the NK-AD-300. The CFG-300 plugs into the NK-AD-300 to provide a two line by 20 character LCD display. The CFG-300 tool is used for configuration purposes only and not for normal operation.

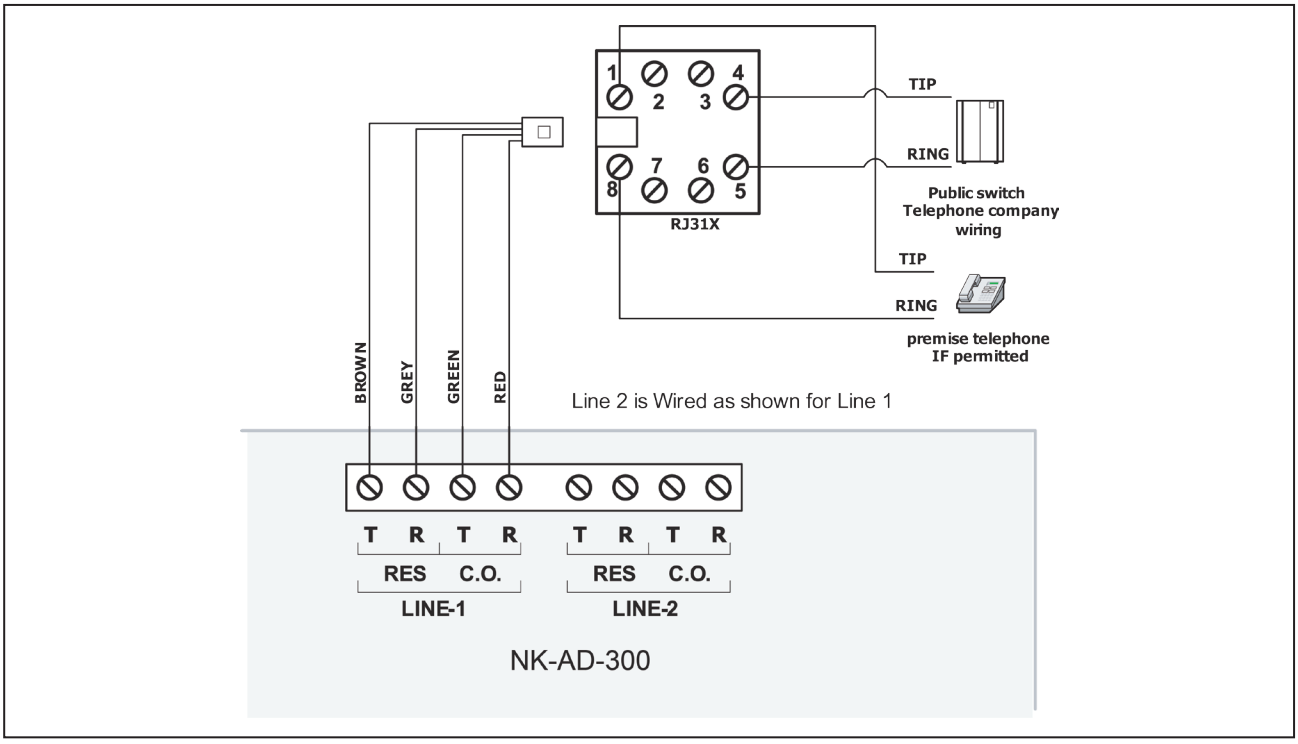
Current Consumption

Standby	45 mA
Alarm	120 mA

NK-AD-300 Connection Diagram



NK-AD-300 Wiring Diagram



Ordering Information

Model	Description
NK-AD-300	Universal Digital Alarm Communicator Transmitter
CFG-300	Configuration Tool
UIMA	Universal Programming Tool

All specifications are subject to change without any notice.
For more information, contact with NITTAN.

NITTAN

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