KNX

KNX - Digital Input Interface

Main Features of the product:

- 6 Digital Inputs:
- Input can be configured for any type of Momentary Push Button, any standard Piano Switch and Door Contact, Presence Detector or any of the sensors.
- Action for the Digital Input can be configured as Switching (ON, OFF and Toggle), Value Transmitter 1-byte and Scene.
- Two different control objects for both states of Switch (ON and OFF) and both states of Sensors (NO and NC)

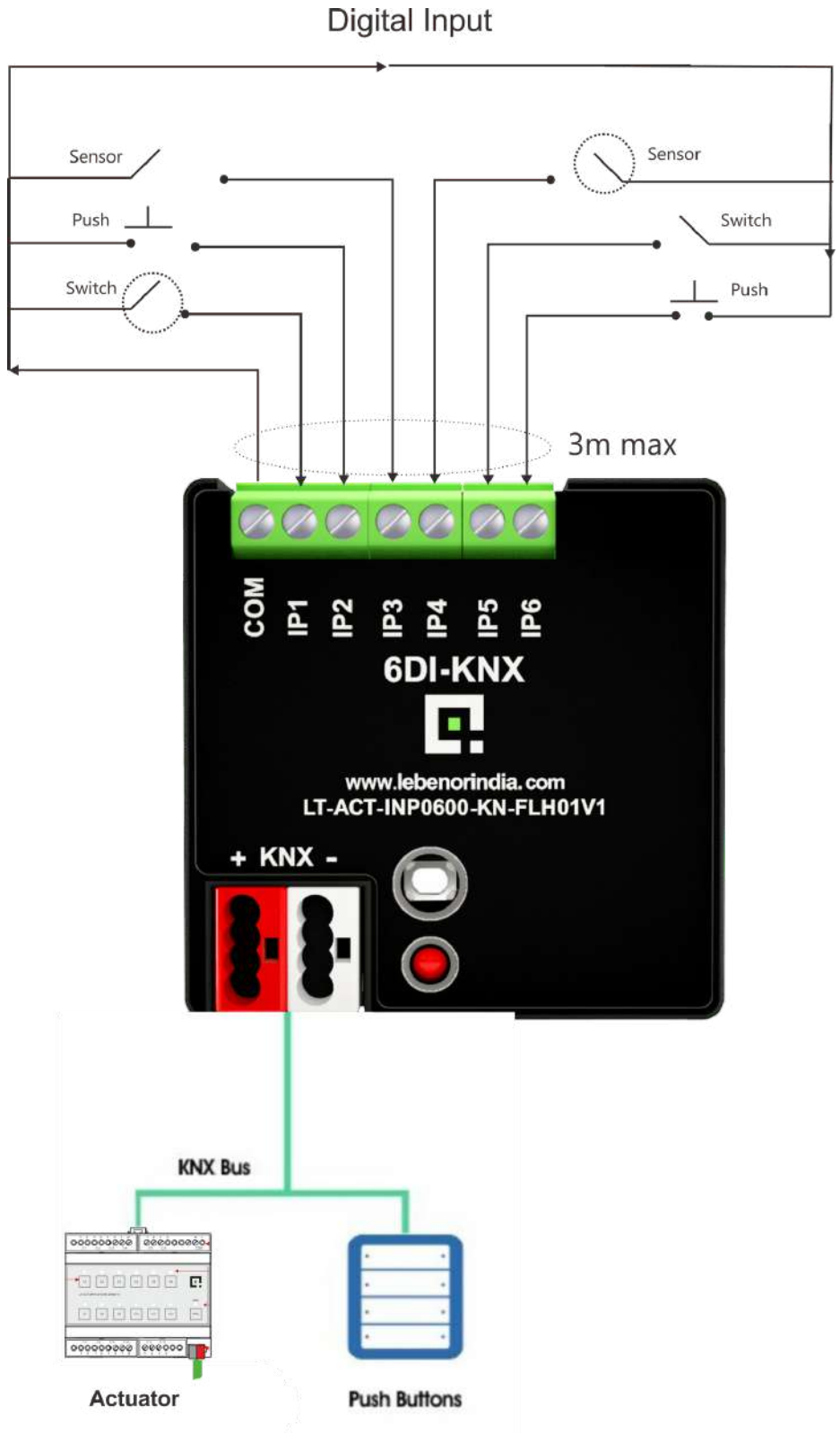
Connect conventional switches or push buttons to Digital Input Module and expand the KNX control. Sensors connected to Digital inputs with blocking function will allow the user to build basic conditional logics within Input Module.

KNX - Digital Input Interface

Areas of Application

- Private residences
- Hotel rooms
- Hospital rooms
- Office cabins
- Conference rooms

Application Schematic



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Technical Specifications

Parameter	Description
Number of Inputs	6
Operation Voltage	+3.3 V DC in the common
Operation Current	1 mA @ 3.3 V DC (per input)
Switching Type	Dry voltage contacts between input and common
Connection Method	Screw Connection with tension sleeve
Cable Cross-Section	0.2-1.5mm² /16 AWG
Maximum Cable Length	3m
Voltage	30VDC SELV, KNX
Maximum Current Consumption	15mA
Connection Type	Typical TP1 bus connector for 0.80mm Ø rigid cable
External Power Supply	Not required
Operational Temperature	0°C .. +55°C
Storage Temperature	-20°C .. +55°C
Operation Humidity	5 .. 95% (Non-condensing)
Storage Humidity	5 .. 95% (Non-condensing)
Degree of Protection	IP20, clean environment
Installation	Flush mount
Housing Material	ABS

Order Reference:

Standard Stock items:

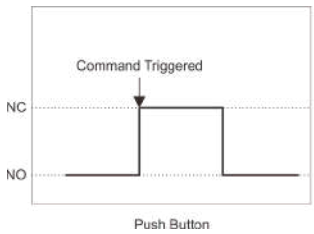
- KNX Input Module with 6 Digital Inputs, Flush.
  Order Ref No. LT-ACT-INP0600-KN-FLH01V1

Contact Lebenor Sales team for items other than
listed standard stock items with order reference number.

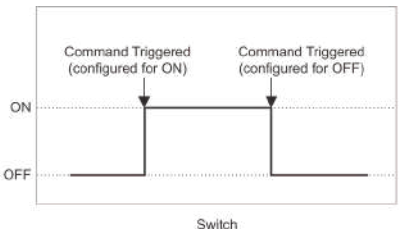
The Information in this document is subject to change without any notice and should be confirmed with the OEM.

Digital Input

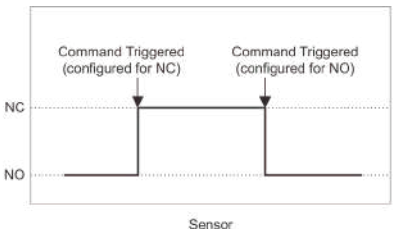
Digital Input	Push Button	Any Momentary Push Button (NO) can be wired to the Digital Inputs. Configure to transmit value on KNX bus for Change in Contact state from NO to NC. Transmit 0, 1, or toggle 0-1 via 1-bit object. Transmit any one of the KNX scenes via 1-byte Scene object. Transmit Curtain Control Object via 1-bit object Transmit 1-byte value (0-100/0-255) via 1-byte object Operate Step Switch function (1-byte value transmitter or Scene) via 1-byte object or 1-byte Scene object
	Switch	Any standard piano Switch can be wired to the Digital Inputs. This input can be configured for both On/Off states of the Switch . Transmit value 0, 1, toggle, No action when switch is shifted from ON to OFF on KNX bus via 1-bit object. Transmit any one of the KNX Scene when switch is shifted from ON to OFF on KNX bus via 1-byte Scene object. Transmit value 0, 1, toggle, No action when switch is shifted from OFF to ON on KNX bus via 1-bit object. Transmit any one of the KNX Scene when switch is shifted from OFF to ON on KNX bus via 1-byte scene object.
	Sensor	Door Contact, Presence Detector or any of the sensors can be wired to the Digital Inputs. This input can be configured for both states of the relay output of the sensor. Transmit value 0, 1, toggle, No action when relay output is changed from NO to NC, via 1-bit object. Transmit any one of the KNX Scene when relay output is changed from NO to NC, via 1-byte Scene object. Transmit value 0, 1, toggle, No action when relay output is changed from NC to NO, via 1-bit object. Transmit any one of the KNX Scene when relay output is changed from NC to NO, via 1-byte Scene object. Block/unblock the response to Sensor input by using 1-bit Block object
	Block	Digital Input can be block via 1-bit Block Object. Block Object value = 1, Input Blocked Block Object value = 0, Input Unblocked



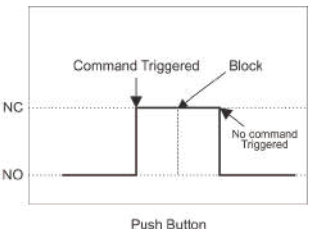
Push Button



Switch



Sensor



Push Button