



Reg. 1998/010169/07

January 2023 V3

Physical: 141 Lamp Road, Wadeville, Germiston

Tel: (011) 827 4113/6

Postal: P O Box 7104, Albermarle, 1410

Email: info@pandttechnology.co.za

Web: www.pandttechnology.co.za

<https://www.facebook.com/pandttech/>

VAT reg. 4290205808

Directors: R Meeske NC Tattersall EM Harmse



KNX certified basic training

"KNX is the worldwide leader in home and building automation, bringing thousands of users and professionals in a unique technological world ready for the future."

P and T Technology (Pty) Ltd is a certified KNX training center and offers the Basic and advanced KNX training course as prescribed by the KNX association. Once you have completed the course and exam successfully you will receive an internationally recognized certificate. The training program is at our training center at 141 Lamp Road, Wadeville, Germiston

A brief introduction to KNX

The demand for comfort and versatility in the management of heating, lighting and access control systems for a family home as well as an office complex is growing. At the same time, the efficient use of energy is becoming increasingly important. People want a comfortable, sustainable and safe place to live and work and that's where automation jumps in.

However, more convenience and safety together with lower energy consumption can only be achieved by intelligent control and monitoring of all products involved. This is a true challenge as it implies more wiring, running from the sensors and actuators to the control and monitoring centres. For professionals, such a mass of wiring also means higher design and installation efforts, increased fire risk and soaring costs. That's where KNX jumps in!

To verify the certification please log onto the following link:

<https://www.knx.org/knx-en/for-professionals/community/training-centres/index.php?country=39&searchOption=name&searchTerm=>

Target audience

- Electricians
- Potential home automation installers

Pre-requisites

- Solid computer knowledge
- Good understanding of electrical installation work

Purpose of program

- To become a KNX partner
- To become a KNX installer

Contents of the course

The KNX Basic course consists of the following topics:

- KNX Project design ETS professional : Basic
- KNX RF
- KNX Commissioning ETS
- KNX Diagnostics & trouble shooting ETS
- KNX System arguments
- KNX System overview
- KNX TP Topology
- KNX TP Telegram
- KNX Bus devices
- KNX TP installation



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- **KNX Powerline Training methodology used during course**
- Minimum 4 maximum 8 persons per course

Course documentation provide

- **Relevant manual**

Course and exam duration

Course - 4 Days Monday to Thursday

Exam – 1 day on the Friday

Refreshments

Tea/coffee and lunches provide for full day courses

Assessment criteria

There are two exams at the end of the course, a practical and theory. A mark of 60% is needed to pass each exam

Final outcomes after successful completion of the course and exam obtainable through the KNX association

- An ETS lite software license
- After passing the exam - the right to use the KNX logo in your marketing (subject to terms and conditions of the KNX association)
- After passing the exam - a discount on the purchase of ETS professional
- After passing the exam - an entry on the KNX international website of certified persons
- After passing the exam - the right to become a KNX partner

Certificates

A KNX basic course certificate, downloadable from your KNX account, will be issued on successful completion of the course.

TERMS AND CONDITIONS

- KNX course classes are limited to 4 per class.
- Before booking and paying for a program please confirm if a program is fully booked or not.
- Application to be made by means of completing and returning enrolment form via web page, email or fax.
- We will communicate with you in five working days, if we have not communicated with you in this time please contact our office.
- Once your application is received, an invoice is generated and the payment will be due.
- On DIRECT TRANSFERS or DEPOSITS please quote invoice number.
- Fax or email proof of payment to 011 827 4118 or admin@pandttechnology.co.za.
- Bookings will only be confirmed when the payment is confirmed.
- You will only be permitted to attend the course if the payment has been made.
- Payments need to be received 7 working days prior to any course attendance.
- P and T Technology (Pty) Ltd reserves the right to cancel any program should there be less than 2 persons
- By forwarding the request for training or/and assessment you declare that you have read and understand the course /assessment criteria
- P and T Technology (Pty) Ltd does not do accommodation bookings and cannot be liable for any issues relating to accommodation.

Course cost

KNX certified basic training R 10 147.00 including 15% VAT

COVID protocols will be observed at all times during the training.



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KNX certified advanced training

“KNX is the worldwide leader in home and building automation, bringing thousands of users and professionals in a unique technological world ready for the future.”

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A brief introduction to KNX

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Target audience

- Electricians
- Potential home automation installers

Pre-requisites

- Basic course certificate

Purpose of program

- To increase and advance your basic KNX knowledge

Contents of the course

The KNX Advanced course consists of the following topics:

- Fail-safe planning
- Flags
- HVAC control with KNX
- Integrated applications
- Interworking
- Couplers
- Lighting control
- Security technology
- Logic operations
- Visualisations systems
- ETS apps
- KNX and multimedia
- KNX and smart metering /smart grid

Training methodology used during course

- Minimum 4 maximum 8 persons per course

Course documentation provided

- **Relevant manual**

Course and exam duration:

Course - 4 Days Monday to Thursday

Exam – 1 day on the Friday

Refreshments

Tea/coffee and lunches provide for all day courses

Assessment criteria

There are two exams at the end of the course, a practical and theory. A mark of 60% is needed to pass each exam

Final outcomes after successful completion of the course and exam

- After passing the exam - an additional entry on the KNX international website indicating you attended the advanced course

Certificates

A KNX advance course certificate, downloadable from your KNX account, will be issued on successful completion of the course.

TERMS AND CONDITIONS

- KNX course classes are limited to a minimum of 4 and maximum of 11 per class.
- Before booking and paying for a program please confirm if a program is fully booked or not.
- Application to be made by means of completing and returning enrolment form via web page, email or fax.
- We will communicate with you in five working days, if we have not communicated with you in this time please contact our office.
- Once your application is received, an invoice is generated and the payment will be due.
- On DIRECT TRANSFERS or DEPOSITS please quote invoice number.
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KNX BASIC AND ADVANCED ENROLMENT FORM

RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:

P and T Technology (Pty) Ltd Email : finance@pandttechnology.co.za



Invoice Company:-

P. O. Box _____ Code:- _____
First Name _____ Surname _____
Title _____ ID Number _____
Tel:- (____) _____ Fax:- (____) _____
Cell No:- _____ email:- _____
Occupation _____ Company VAT NO. _____ (NB)

- KNX certified basic training** program and exam R 10 147.00
 KNX certified advanced training program and exam R 10 147.00

COVID protocols will be observed at all times during the training

Date of selected program: _____

I, _____ have read and accept the
Name and Surname

TERMS AND CONDITIONS AS PER COURSE CRITERIA

Signature of delegate

Payment method

- Cheque payable to P and T Technology (Pty) Ltd deposited into the account number below
 Deposit / EFT deposit

Account details: **Account holder:** P and T Technology (Pty) Ltd
Bank: ABSA
Branch code: 631 – 142
Account Number: 4056618661



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If the course is being paid by your company, please complete the form below and forward it **with** your enrolment form

P AND T TECHNOLOGY (PTY) LTD PROCUREMENT - CUSTOMER INFORMATION	
Please complete this document and return to P and T Technology (Pty) Ltd	
Legal Status (e.g. (Pty) Ltd)	
Name of Business	
Company Registration Number	
VAT Registration Number	
Company Postal Address	
Contact Person	
Contact Person (Accounts)	
Telephone Number/s	
Fax Number	
Email Address	
Name of Bank	
Branch	
Branch Code	
Account Number	
Type of Account	
Account Holder's Name	
Please complete the details and forward to:	
Attention	Finance
Email	admin@pandttechnology.co.za