



**Physical:** 141 Lamp Road, Wadeville, Germiston

**Tel:** (011) 827 4113/6. **Fax:** (011) 827 4118

**Postal:** P O Box 7104, Albemarle, 1410

**E-mail:** [info@pandttechnology.co.za](mailto:info@pandttechnology.co.za)

[www.pandttechnology.co.za](http://www.pandttechnology.co.za)

**Directors:** NC Du Plessis (managing), ED Du Plessis



## 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. The training program is at our training center at 141 Lamp Road, Wadeville, Germiston

To verify the certification please log onto the following link:

<https://knx.org/knx-en/community/training-centres/list/?country=South+Africa&searchOption=name>

### 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
- KNX Powerline

### Training methodology used during course

- Minimum 2 maximum 4 persons per course

### Course documentation provide

- Relevant manual

Course duration:

5 Days Monday to Friday from 08:00 – 16:30

### 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 liz@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**

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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.”*

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. The training program is at our training center at 141 Lamp Road, Wadeville, Germiston

### 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 2 maximum 4 persons per course

### Course documentation provide

- Relevant manual

Course duration:

5 Days Monday to Friday from 08:00 – 16:30 (30 hours)

### 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**

- Short 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.
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**Course cost**

**KNX certified advanced training R 10 147.00 including 15% VAT**



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RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:

P and T Technology (Pty) Ltd Fax :- 011 827 4118 attention: Admin or [liz@pandttechnology.co.za](mailto:liz@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

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

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