



Intellitec Programmable Multiplex Control System

IRTEC Master Technician level supplementary module by AK Training

This is a one day advanced level course. It is aimed at vehicle technicians working on speciality vehicles such as those used by fire and rescue and other emergency services and also public service vehicles equipped with the Intellitec Programmable Multiplex Control (PMC) system.

The course covers the following main subjects:

- Introduction to Intellitec
- Main features of Intellitec PMC
- Overview of available PMC modules
- Technical overview of selective PMC modules
- Operation of the Intellitec PMC system
- Overview of Boolean Logic
- Fault diagnosis and test equipment
- Test Intellitec PMC signals
- Practical use of Intellitec module simulator
- Course assessment and feedback



The aim of the course is to give a detailed technical overview of the Intellitec PMC system. The course comprises of a variety of classroom and workshop based activities and has an end of course assessment. Those who successfully complete the course will receive a Certificate of Professional Competence from the Institute of Road Transport Engineers. The course is also accredited by IRTEC as a supplementary module at Master Technician level under the IRTEC licensing scheme.

See over the page for further details about this course



INTELLITEC COURSE INFORMATION

This course is designed for on site delivery at clients premises and is accredited by IRTEC at Master Technician level under the IRTEC technician licensing scheme. For further information, contact:

Tony Kitchen MIMI (AK Training)

TELEPHONE: 01908 579309 **MOBILE:** 07968 842274

E-MAIL: info@akautomotivetraining.co.uk

www.akautomotivetraining.co.uk

Further information

Intellitec Programmable Multiplex Control

Delegates attending this course should have an in depth knowledge, background and experience of vehicle electrical systems, electrical principles, fault finding and diagnosis or be accredited by IRTEC at Advanced Technician level.

The course begins with an introduction to multiplexing and explains the main features and functions of the Intellitec PMC system, including an overview of the Intellitec PMC communication protocol and comparison with CAN (note that knowledge of CAN bus is useful but not essential as the two systems are fundamentally different). There follows a detailed technical overview of a selection of the most common control modules used in the design and construction of a purpose built Intellitec PMC system. The main features and functions of each module are explained along with additional optional programmable features.

During the course, delegates also learn about the clock/time process of the Intellitec PMC system, data signal loops, module address codes and channel numbers. The multiplex module simulator from Intellitec will be explained and a data signal will be tested on a live vehicle using an oscilloscope. By the end of the course, delegates will understand the operation of the Intellitec PMC system, be able to identify and explain the features and functions of individual modules and carry out diagnosis and testing using dedicated test equipment as well as conventional test instruments.

Assessment is on going throughout the course and comprises of multiple choice questionnaires and assessment of practical activities. To successfully complete the course, delegates must achieve 80% in each assessment as well as 80% overall at the end of the course. Those who successfully complete the course will receive a certificate of professional competence from the Institute of Road Transport Engineers in recognition of their achievement. The course is also accredited by IRTEC as a supplementary module at Master Technician level under the IRTEC licensing scheme.



Intellitec Programmable Multiplex Control
by AK Training

