

Fundamentals of HMIs



Target audience

Individuals interested to learn about industrial control, including;

- Maintenance staff
- Technical support staff
- Industrial control product sales staff

Prerequisite knowledge

- In order get the most from this training it is recommended that the attendee has knowledge of the fundamentals of industrial controls
- Basic PC skills

Duration and delivery

- A one day course

Locations

- Coventry
- Leeds
- Swindon
- Telford

Training code: 679-2632

For further information or registration

- t: 0845 850 9922
- w: rswww

Objectives

- Understand the concept of electronic graphic human machine interface (HMI)
- Learn what differentiates the range of HMIs available in the market and what features are required according to applications
- Understand the information required to correctly specify a HMI
- Learn how HMI 'panels' (the 'pages' of information) are created using the propriety software
- Gain an understanding of how the HMI communicates with PLCs in order to carry out and receive instructions or information

Content

- The HMI hardware and capabilities
- HMI to PLC connectivity
- The scope of HMIs available in the market;
 - Alphanumeric text
 - Low cost monochrome graphical
 - Full colour TFT display
 - Touch screen products
- An introduction to PC based HMIs
- The proprietary configuration software with integrated simulation capabilities
- The common terminology and jargon associated

Training and teaching method

- Presentations, discussions and demonstrations, with practical exercises and hands-on activities
- Products from the Schneider Electric range will be used to demonstrate or explain learning points throughout the day