

Microprocessor & Solid State Relays

Hands-On Training 2008



Microprocessor and Solid State Relays Hands-On Training 2008

Mission Statement:

Our Mission is to provide the highest quality Relays, along with comprehensive documentation and personalized hands-on training.

Benefits:

This training program has been designed for Relay Operators, Technicians and Engineers to become proficient in application, installation, operation and testing of Microprocessor and Solid State Relays.

Scope:

The training is performed at the ABB Inc. facility in Allentown, PA or on site (per customers request). Courses typically last 1 day per relay. For factory training ABB will provide the required Test Equipment and Relays.

Upon completion of the course, the student will receive an ABB Distribution Automation Certificate that demonstrates their comprehension to perform installation, operation and testing for the selected products.

Enrollment:

Participants must send a completed registration form to enroll in scheduled training sessions ([Electronic Form](#)). Please contact Customer Support for more information regarding on-site training sessions.

Course Name	Price (USD)	March	August
Distribution Feeder Protection (DPU2000R/MSOC/REF550)	\$200	Allentown, PA March 24 - 25	Allentown, PA August 4 - 5
Basic Feeder & Motor Protection Unit (REF610/REM610)	\$200	Allentown, PA 28-Mar	Allentown, PA 8-Aug
Arc Protection System (REA10x)	\$200	Allentown, PA 27-Mar	Allentown, PA 7-Aug
Transformer Protection Unit (TPU2000R)	\$200	Allentown, PA 26-Mar	Allentown, PA 6-Aug
Rex 54x Settings and Programming	\$1,200	Please Contact Customer Support	

ABB Inc.

Substation Automation and Protection

CUSTOMER SUPPORT

7036 Snowdrift Rd

Allentown, PA 18106

USA

Tel: 610 395 7333

FAX: 610 395 1055





REGISTRATION FORM

Tuition fee for On-Site Training: \$2000.00 per day plus the cost of equipment.

This form **MUST BE MAILED** or **FAXED** to ABB Allentown no later than 45 Days **PRIOR** to the start of the course.

Tuition fee (\$200.00) for training at ABB Allentown may be paid in advance with this form. Checks are to be made payable to ABB Inc. and sent to the attention of Customer Support at the Allentown, Pennsylvania address below. Please note that checks drawn in foreign countries must designate "payable in U.S. Dollars."

Mail or Fax completed form to:

ABB Inc.
Customer Support
7036 snowdrift Rd
Allentown, PA 18104

Phone: (610) 395-7333 Toll Free: (800) 634-6005 Fax: (610) 395-1055 Note: ABB reserves the right to cancel 30 days prior to the start of the school (with full refund to the applicant) in the event minimum class sizes are not met. Should the applicant or one of his/her representatives cancel participation in the school less than seven (7) days prior to the start of class, a cancellation fee of \$500.00 will be billed. Rescheduling can be provided upon 21 days advance notice.

The following information is used for planning and preparation of our EM Relay and FT Switch Training Program:

CLASS DATE: _____

NAME: _____

COMPANY NAME: _____

TITLE: _____

COMPANY ADDRESS: _____

CITY, STATE, ZIP: _____

AREA CODE AND PHONE NUMBER: _____

FAX NUMBER: _____

EMAIL ADDRESS: _____

SALES REPRESENTATIVE: _____

Method of Payment (circle): Check MasterCard Visa American Express

PO: _____ *Check Number and Amount:* _____

Credit Card Number: _____ *Expiration Date:* _____

Name on Credit Card: _____ *Signature:* _____

Solid State Relay Selection Sheet

SELECT RELAY Type	IEEE/ANSI Device Number	DESCRIPTIVE Bulletin	INSTRUCTION Leaflet
__25S,25V	25	41-611S	7.3.1.7-1C
__27,27D,27H	27	41-231S	18.4.7-2E
__27/59	27/59	41-235S	7.4.1.7-1D
__27B	64	41-232S	7.5.1.7-4B
__27G	27	41-726S	7.4.1.7-9B
__27N	27	41-233S	7.4.1.7-7E
__27S	27(dc)	...	7.5.1.7-4B
__32	32/67	41-141S	7.8.1.7-2D
__32D	32N/67N	41-142S	7.8.1.7-2D
__32Q	32N/67N	41-143S	7.8.1.7-2D
__32R	32	41-272S	7.8.1.7-1C
__37D,37H	37	...	7.2.1.7-3B
__40	40	41-727S	7.9.1.7-2C
__46D,46H	46	41-171S	7.6.1.7-2B
__46Q	46	41-172S	7.6.1.7-3C
__47,47D,47H	47	41-236S	7.4.1.7-2E
__49/50/51	49/50/51	41_201S	7.2.1.7-4C
__49T	49	41-526S	7.7.1.7-2A
__50B	50/50BF	41-111S	7.2.1.7-3B
__50D,50H	50,51	41-112S	7.2.1.7-3B
__50R	50	41-173S	7.2.1.7-6B
__51-	50/51,50N/51N	41-113S	7.2.1.7-1C
(I, Y, E, L, D, S, YM, IM)			
__59,59D,59H	59	41-231S	18.4.7-2E
__59F	24	41-728S	7.4.1.7-8C
__59G	59	41-237S	7.4.1.7-9B
__59N	59	41-233S	7.4.1.7-7E
__60	60	41-729S	7.4.1.7-4C
__60Q	60	41-238S	7.4.1.7-3C
__62B	62BF	41-527S	7.7.1.7-5B
__62T	62	...	7.7.1.7-6D
__64F	64	41-730S	7.1.1.7-8B
__76T	76	41-176S	7.5.1.7-2A
__79M,79S	79	41-612S	7.3.1.7-2B
__81	81	41-530S	7.4.1.7-5C
__87B	87B	41-357S	7.6.1.7-7C
__87M	87G	41-358S	7.6.1.7-1C
__87T	87T	41-359S	7.6.1.7-4B
__GKC	50GS/51GS	41-181S	7.1.1.7-11C
__GKT	50GS/51GS	41-181S	7.1.1.7-11C
__GR-5	50GS/51GS	...	7.1.1.7-2A

__GRC	50GS/51GS	41-182S	7.1.1.7-5B
__GRD	87	41-351S	7.1.1.7-4B
__GRM	50GS	41-183S	7.1.1.7-3B

Microprocessor Relay Selection Sheet

SELECT RELAY Type	IEEE/ANSI Device Number	DESCRIPTIVE Bulletin	INSTRUCTION Leaflet
__DPU-2000R	50/51,50N/51N,79,67, 67N,81,46,27,59,25	41-219M	7.11.1.7-4E
__TPU-2000R	87T,87H,50/51,50N/51N	41-372M	7.11.1.7-5D
__GPU-2000R	21,24,27,32R,40,46,87 51V,50/51,50N/51N,59, 59G,60,67,67N,81O,81U	41-765M	7.11.1.7-10B
__MICROSHIELD	50/51/50N/51N/79	41-126M	7.2.1.7-16D
__REA101	28/50/50BF	1MRS750929	1MRS751003
__REF 550	21/25/27/46/47/50/ 50BF/50N/51/51N59/59G /64Z/67/67N/79/81	...	7.11.1.7-50A
__REF543			
__REF610			
__REM 543	27/37/46/47/49/49T/ 59GS/50/51/55/59/81/87	41-210M	1MRS750915
__REM 610	49M/48-14/51-14/14/66 /50/51/37/46/46R/50/ 51N/49/38/62BF	1MRS755121	1MRS752263
__RE_ 670			



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