

Liebert Precision Cooling Products

2009 Class Schedule



Liebert Learning Center
6700 Huntley Road, Columbus, Ohio 43229
Phone: (614) 841-6120 / Fax: (614) 841-6133

(Revised 12/02/08)



Program Descriptions - Factory

Cooling Products 1 – PCT105 Advanced and Graphics Controls

Length: Four Days (32 Hours) **Fee:** \$1,800.00 **Location:** Columbus, Ohio

Description: A full four-day session on Deluxe System 3, Challenger3000, Himod and current Small Systems products. Topics covered are Operations, Programming, Installation Basics, Startup, Maintenance, Service, and Troubleshooting. A basic presentation of the iCOM control is included. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program.

Cooling Products 2 – PCT206 DS / iCOM with Networking

Length: Four Days (32 Hours) **Fee:** \$1,800.00 **Location:** Columbus, Ohio

Description: A full four-day session on DS, iCOM. Topics covered are Operations, Programming, Installation Basics, Commissioning / Startup, Maintenance, Service and Troubleshooting. A basic presentation of the Xtreme Density products is included. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program.

Cooling Products 3 – PCT310 Xtreme Density Products

Length: Three Days (24 Hours) **Fee:** \$1,350.00 **Location:** Columbus, Ohio

Description: A full three-day session on Xtreme Density products. Topics covered are Operations, Programming, Installation, Maintenance, Service and Troubleshooting. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.1 CEUs for successful completion of this program.

Cooling Products 4 – PCT202 iCOM and iST-PC Programming

Length: Three Days (24 Hours) **Fee:** \$4,500.00 **Location:** Columbus, Ohio

Description: A full three-day session on iCOM. Topics covered are iCOM Operations, Programming, iST-PC for Service Tool. NOTE: The registration fee includes a laptop computer, iCOM simulator and software, with User license and support loaded on PC. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.1 CEUs for successful completion of this program. (Prerequisite for this class is the PCT206 or PCT207 class.)



Program Descriptions – Factory (Cont'd)

Cooling Products 5 – PCT401 Monitoring AND Leak Detection Panels

Length: One Day (8 Hours) **Fee:** \$400.00 **Location:** Columbus, Ohio

Description: A full one-day session on Liebert Monitoring Products. Covered products are OC-DO Board, AC4 and AC8 Auto-Changeover Panels, Universal Monitor and Water Detection Monitoring Panel. Topics covered are Installation, Programming and Troubleshooting. This is a fully tested program – knowledge base and practical skills – passing is 90% or better. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program.

NOTE: A minimum of five (5) years experience in the HVAC industry is highly recommended before attending any of these classes.



Program Descriptions - Regional

Cooling Products 1 – PCT106 Advanced and Graphics Controls

Length: Four Days (32 Hours) **Fee:** \$1,650.00 **Location:** See Schedule

Description: A full four-day session on Deluxe System 3, Challenger3000, Himod and current Small System products. Topics covered are Operations, Programming, Installation Basics, Startup, Maintenance, Service, and Troubleshooting. A basic presentation of the iCOM control is included. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program.

Cooling Products 2 – PCT207 DS / iCOM with Networking

Length: Four Days (32 Hours) **Fee:** \$1,650.00 **Location:** See Schedule

Description: A full four-day session on DS, iCOM. Topics covered are Operations, Programming, Installation Basics, Commissioning / Startup, Maintenance, Service and Troubleshooting. A basic presentation of the Xtreme Density products included. This is a fully tested program – knowledge base and practical skills - passing is 90% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program.

Schedules in all Factory and Regional classes are subject to change due to registrations. We will inform the registered students of any changes. Please register early since classes do fill up quickly or are subject to cancellation. Email or call with any questions.



As an IACET Authorized Provider, Emerson Network Power/Liebert Corporation offers CEUs for its programs that qualify under IACET guidelines.

For Registration, Dates and Information

Please contact Steve Wagner at 614-841-6118 or Email Steve.R.Wagner@emerson.com

or

Contact Ruthanne Redman at Tel: 614-841-6120; Fax: 614-841-6133
or Email Ruthanne.Redman@emerson.com



Factory Schedule (Columbus, OH)

2009	PCT105	PCT206	PCT401	PCT310	PCT202
January	5 – 8	12 – 15	–	20 – 22	26 – 28
February	2 – 5	9 – 12	13	17 – 19	–
March	2 – 5	9 – 12	6	16 – 18	23 – 25
April	6 – 9	13 – 16	17	20 – 22	27 – 29
May	4 – 7	11 – 14	8	18 – 20	–
June	1 – 4	8 – 11	12	15 – 17	22 – 24
September	14 – 17	21 – 24	18	28 – 30	–
October	5 – 8	19 – 22	23	26 – 28	26 – 28
November	2 – 5	16 – 19	6	30 – Dec. 2	30 – Dec. 2
December	7 – 10	14 – 17	18	–	–

Regional Schedule

2009	PCT106	PCT207	Location
January	6 – 9	12 – 15	Richmond, VA
February	3 – 6	9 – 12	Ashburn, VA (DC area)
	17 – 20	23 – 26	Toronto, Canada
March	10 – 13	16 – 19	Orlando, FL
	24 – 27	30 – April 2	Plainview, NY
April	14 – 17	20 – 23	Ashburn, VA (DC area)
May	12 – 15	18 – 21	Austin, TX
	12 – 15	18 – 21	Irvine, CA
July	14 – 17	20 – 23	Wallingford, CT
August	18 – 21	24 – 27	Richmond, VA
September	15 – 18	21 – 24	Plainview, NY
	15 – 18	21 – 24	Ottawa, Canada
October	13 – 16	19 – 22	Irvine, CA
	13 – 16	19 – 22	Orlando, FL
December	8 – 11	14 – 17	Ashburn, VA (DC area)
	8 – 11	14 – 17	Austin, TX



Registration Form
Factory or Regional Programs

Student Information:

Name: _____

Company: _____

Address: _____

City/State/Zip or Postal Code: _____ / _____ / _____

Email address: _____

Contact Information:

Name: _____

Phone/Fax: _____ / _____

Email address: _____

Class Information:

Factory Class Date: _____ Class Code: _____

Regional Class Date: _____ Location: _____

Billing Address and Method of Payment:

(A \$500.00 deposit is required for registration. Balance due on or before the class date.)

Check (Number): _____

Purchase Order*: _____

Credit Card No.: _____ Exp. Date: _____

Cardholder Name: _____

Company: _____

Attention: _____

Address: _____

City/State/Zip: _____ / _____ / _____

Federal Tax ID#: _____

*If you would like to use a Purchase Order number, please include a Federal Tax ID number.

A confirmation letter will be provided upon receipt of this form. Please contact Ruthanne Redman with questions (Tel: 614-841-6120 / Fax: 614-841-6133 / Email ruthanne.redman@emerson.com)

We allow cancellation up to five working days prior to the start of class without penalty. If less than five working days, a penalty of 20% of the class registration fee will be charged per student. Since many of our courses have a waiting list, we charge the full course fee when someone fails to attend without informing us or cancels once the class has started. Communication of cancellation should be sent by email to ruthanne.redman@emerson.com or by fax at (614) 841-6133.



Local Request Hands-On Programs For Cooling Products Maintenance Training

- Customized to your site's equipment – legacy products or current product.
- Full hands-on programs with lecture (Lecture only for Legacy products).
- Can be held at your training location or at local hotel in your area.
- These are Maintenance Level Training Programs only.
- Different types of Liebert systems can be selected.
- These may be 2, 3, 4 or 5 day sessions with testing of practical skill and knowledge base. Passing is 90% or better on tests.



Emerson Network Power/Liebert Corporation has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102.



Class Request Form
Local Programs

Customer Information:

Company Name: _____

Location Address: _____

City/State/Zip or Postal Code: _____ / _____ / _____

Contact Name: _____

Phone/Fax: _____ / _____

Email address: _____

Product Information:

Model Numbers: _____ Product Name: _____

Model Numbers: _____ Product Name: _____

Model Numbers: _____ Product Name: _____

Model Numbers: _____ Product Name: _____

Forward Completed Form to Ruthanne Redman
(Fax: 614-841-6133 / Email: Ruthanne.Redman@emerson.com)



Training Manuals / CDs / Aids

Manuals (hard copy)

TM-70020	Level 00 T & S with Drawings	\$75.00 each
TM-70040	Level 10 T & S with Drawings	\$75.00 each
TM-70060	Level 1, 2, 3 T & S with Drawings	\$75.00 each
TM-70070	System 2 T & S with Drawings	\$75.00 each
TM-70080	Chiller CSU T & S with Drawings	\$75.00 each
TM-70220	Small Systems 1 T & S with Drawings (1989-1995)	\$75.00 each
TM-70100	Small Systems 2 T & S with Drawings (1996-2004)	\$75.00 each
TM-70150	Monitoring & Water Detection T & S with Drawings	\$75.00 each
TM-70160	Standard Microprocessor T & S with Drawings	\$75.00 each
TM-70170	Advanced/Advanced Graphics Microprocessor T & S with Drawings	\$75.00 each
TM-70180	InteleCool2 T & S with Drawings	\$75.00 each
TM-70190	Xtreme Density Products T & S with Drawings	\$75.00 each
TM-70240	XDF T & S with Drawings	\$75.00 each
TM-10098	iCOM Microprocessor T & S Manual with Drawings	\$75.00 each

For free download of Obsolete Manuals, go to www.liebert.com. Under *Support* select *Product Training*, then go to *Parts Manuals and Obsolete User Manuals* and select *Obsolete User Manuals*.

Manuals (on CD)

TM-80010	All Training & Service Manuals	\$750.00 each
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Part No.	Training Aids	Cost
TAD-0000AM	AM / AG Simulator with Displays and Chips	\$2,500.00 each
TAD-0000MM	MiniMate2 Simulator	\$1,500.00 each
TAD-000001	iCOM Simulator with T/H, Large and Small Display	\$2,500.00 each
	All sims Include: <ul style="list-style-type: none"> • Training & Service Manual with Drawings 	



Order Form
Manual / CDs / Training Aids

If you prefer not to order online, please complete this form and fax it to (614) 841-6133. To place verbal orders or ask questions, call (614) 841-6120.

Item Number _____ Quantity _____
Item Number _____ Quantity _____
Item Number _____ Quantity _____
Item Number _____ Quantity _____
Item Number _____ Quantity _____

“Ship To” Address:

Company Name: _____ Contact: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____

Billing Information (If different than “Ship To” Address):

Company Name: _____ Contact: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
Purchase Order Number (please fax hard copy)*: _____
Credit Card Number/Expiration: _____ / _____
Cardholder Name (as shown on card): _____
Signature: _____ Date: _____
Federal Tax ID#: _____

*If you would like to use a Purchase Order number, please include a Federal Tax ID number.

This catalog and all items included can be accessed online for an easy registration or ordering process. Go to www.liebert.com and under “Support” select “Product Training.”

